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ANNUAL PLANNING INFORMATION

CALIFORNIA

1980-1981

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Employment Development Department
Employment Data and Research Division
Systems and Research Section

Health and Welfare Agency
State of California

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FOREWORD

The Annual Planning Information is prepared in cooperation with the U. S. Department of Labor, Employment and Training Administration. Portions of this report are funded from the State's special grant for manpower services under Title II of the Comprehensive Employment and Training Act (CETA).

This report is designed primarily to meet the informational goals of the Employment Security System by providing governmental agencies, CETA administrators, educators, and other interested organizations and persons, with analyses of recent changes in the labor market, short-term outlook, and long-term trends.

Industry wage and salary employment data has been revised to reflect the annual benchmark adjustment. All industry employment data is adjusted to the March 1979 benchmark.

Labor force data has been revised. These revisions were made in accordance with a new methodological procedure introduced by the Department of Labor, Bureau of Labor Statistics in January 1978. Monthly Labor Force estimates for the State and the Los Angeles - Long Beach SMSA are derived directly from the Current Population Survey of households and the historical series for these areas have been revised accordingly. Estimates for all other areas, likewise, have been revised. For a complete description of the methodological change, see the technical appendix.

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HIGHLIGHTS

The California population has maintained its growth rates and had reached 22,694,000 in July, 1979. The population of the state increased by 1.7 percent between 1978 and 1979, about the same growth rate that it has averaged since 1970.

The civilian labor force in California grew by 3.0 percent to an annual average of 10,968,000 for 1979. It is expected to continue to grow in 1980, although at the slower pace of 2.8 percent and reach a total of 11,272,000.

For 1979, employment reached 10,285,000, an increase of 4.0 percent from 1978. The employment increase of 395,000 new jobs in 1979 is expected to drop to 198,000 new workers in 1980, resulting in a 1.9 percent growth rate for 1979-80.

Unemployment was down to 684,000 in 1979, a drop of 72,000 from 1978. The annual average unemployment rate experienced a corresponding decline from 7.1 percent in 1978 to 6.2 percent in 1979. In 1980, unemployment is expected to climb to 789,000; the unemployment rate is expected to average 7.0 percent for 1980.

On a Nationwide basis, strong consumer spending bolstered the economy during 1979, however, credit is expected to weaken that force, and it is anticipated that there will be an recession during 1980. California continues to grow faster than the nation as a whole and the balanced economy of the state will allow it to weather the recession better than other areas of the country.

Continued strength of the aerospace group of industries in California is expected to counteract the nationwide trend of decline in manufacturing industries. In the manufacturing sector, assemblers and technicians will be in demand to support the strong growth in the aerospace group.

The finance, insurance and real estate industry and the services sector are expected to continue to grow in the next couple of years. In these industries, clerical and health occupations are expected to show the most growth in 1980.

POPULATION

The estimated population of California on July 1, 1979, was 22,694,000, an increase of 380,000 or 1.7 percent since July 1, 1978. Between April 1, 1970 and July 1, 1979, California's population increased by 2,722,900 or 13.6 percent.

The median age of California's population was 30.20 years in 1978 and 30.50 in 1979. The median age for men in 1978 was 29.43 years and in 1979 was 29.70; for women was 31.00 years in 1978 while in 1979 it was 31.30 years.

The following tables of population estimates show the distribution of California's population by county for 1970 - 1979 and the components of change for that period.

Total population and labor force projections for 1981 by race, sex and age are delineated in two additional tables in the section labeled "Target groups in need of Employment Assistance."

TOTAL POPULATION OF CALIFORNIA COUNTIES,
WITH ANNUAL PERCENT CHANGE

County	Total Population					Annual Percent Change			
	April 1, 1970	July 1, 1976	July 1, 1977	July 1, 1978	July 1, 1979	*4-1-70 To 7-1-76	7-1-76 To 7-1-77	7-1-77 To 7-1-78	7-1-78 To 7-1-79
Alameda	1,071,446	1,096,900	1,099,900	1,103,500	1,100,100	0.4	0.3	0.3	- 0.3
Alpine	484	800	900	1,000	1,200	10.4	12.5	11.1	20.0
Amador	11,821	15,300	16,300	17,500	18,800	4.7	6.5	7.4	7.4
Butte	101,969	124,100	129,200	133,800	137,700	3.5	4.1	3.6	2.9
Calaveras	13,585	15,900	17,100	18,500	20,100	2.7	7.5	8.2	8.6
Colusa	12,430	13,000	12,900	12,800	13,000	0.7	- 0.8	- 0.8	1.6
Contra Costa	556,116	597,200	612,800	623,200	635,300	1.2	2.6	1.7	1.9
Del Norte	14,580	15,900	16,400	17,400	17,700	1.5	3.1	6.1	1.7
El Dorado	43,833	62,400	68,800	75,900	83,200	6.8	10.3	10.3	9.6
Fresno	413,329	462,400	472,500	478,100	485,100	1.9	2.2	1.2	1.5
Glenn	17,521	19,800	20,300	20,500	21,300	2.1	2.5	1.0	3.9
Humboldt	99,692	104,800	106,100	106,800	107,700	0.8	1.2	0.7	0.8
Imperial	74,492	86,300	88,800	91,200	93,600	2.5	2.9	2.7	2.6
Inyo	15,571	17,700	17,900	18,100	18,600	2.2	1.1	1.1	2.8
Kern	330,234	351,300	359,900	367,800	375,300	1.0	2.4	2.2	2.0
Kings	66,717	69,800	70,800	71,500	71,900	0.7	1.4	1.0	0.6
Lake	19,548	27,500	29,200	31,700	34,200	6.5	6.2	8.6	7.9
Lassen	16,796	18,500	19,300	19,800	21,300	1.6	4.3	2.6	7.6
Los Angeles	7,041,980	7,022,300	7,022,200	7,091,400	7,128,400	0.0	0.0	1.0	0.5
Madera	41,519	48,200	51,300	53,500	56,800	2.6	6.4	4.3	6.2
Marin	208,652	221,000	224,200	224,100	224,000	0.9	1.4	0.0	0.0
Mariposa	6,015	8,800	9,300	10,000	10,800	7.4	5.7	7.5	8.0
Mendocino	51,101	59,300	61,400	63,200	65,500	2.6	3.5	2.9	3.6
Merced	104,629	120,800	123,300	125,400	127,700	2.5	2.1	1.7	1.8
Modoc	7,469	8,100	8,500	8,600	9,000	1.3	4.9	1.2	4.7
Mono	4,016	7,400	7,600	7,900	8,600	13.5	2.7	3.9	8.9
Monterey	247,450	271,600	277,000	276,400	281,200	1.6	2.0	- 0.2	1.7
Napa	79,140	91,300	92,500	93,400	93,600	2.5	1.3	1.0	0.2
Nevada	26,346	36,500	39,800	44,000	47,700	6.2	9.0	10.6	8.4
Orange	1,421,233	1,752,100	1,796,200	1,835,100	1,874,100	3.7	2.5	2.2	2.1
Placer	77,632	94,700	100,500	107,100	113,500	3.5	6.1	6.6	6.0
Plumas	11,707	14,200	15,000	15,700	16,800	3.4	5.6	4.7	7.0
Riverside	456,916	544,700	573,400	606,000	634,100	3.1	5.3	5.7	4.6
Sacramento	634,373	704,100	721,100	736,600	756,700	1.8	2.4	2.1	2.7
San Benito	18,226	20,300	21,100	21,600	22,100	1.8	3.9	2.4	2.3
San Bernardino	682,233	714,000	737,800	777,600	811,300	0.8	3.3	5.4	4.3
San Diego	1,357,854	1,635,100	1,686,600	1,744,300	1,800,100	3.3	3.1	3.4	3.2
San Francisco	715,674	663,000	654,800	648,900	642,400	- 1.2	- 1.2	- 0.9	- 1.0
San Joaquin	291,073	300,600	307,100	313,600	319,700	0.5	2.2	2.1	1.9
San Luis Obispo	105,690	130,900	136,400	141,700	147,200	3.8	4.2	3.9	3.9
San Mateo	557,361	581,400	586,800	587,900	592,300	0.7	0.9	0.2	0.7
Santa Barbara	264,324	287,100	288,900	292,300	295,100	1.4	0.6	1.2	1.0
Santa Clara	1,065,313	1,202,400	1,217,600	1,234,100	1,253,100	2.1	1.3	1.4	1.5
Santa Cruz	123,790	164,500	169,900	173,400	176,100	5.3	3.3	2.1	1.6
Shasta	77,640	94,800	100,700	107,300	113,200	3.5	6.2	6.6	5.5
Sierra	2,365	3,100	3,000	3,300	3,300	5.0	- 3.2	10.0	0.0
Siskiyou	33,225	35,900	37,200	38,300	39,700	1.3	3.6	3.0	3.7
Solano	171,989	193,300	200,100	207,000	218,500	2.0	3.5	3.4	5.6
Sonoma	204,885	253,100	265,600	274,400	280,000	3.8	4.9	3.3	2.0
Stanislaus	194,506	230,100	240,300	246,400	251,200	2.9	4.4	2.5	1.9
Sutter	41,935	47,300	48,100	48,900	50,400	2.0	1.7	1.7	3.1
Tehama	29,517	33,000	34,100	35,600	37,100	1.9	3.3	4.4	4.2
Trinity	7,615	10,300	10,800	11,700	12,500	5.6	4.9	8.3	6.8
Tulare	188,322	213,400	219,600	225,400	231,700	2.1	2.9	2.6	2.8
Tuolumne	22,169	27,300	29,400	31,800	34,300	3.7	7.7	8.2	7.9
Ventura	378,497	452,500	467,900	484,700	499,500	3.1	3.4	3.6	3.1
Yolo	91,788	105,400	106,600	108,000	109,500	2.4	1.1	1.3	1.4
Yuba	44,736	46,400	47,300	48,400	48,800	0.6	1.9	2.3	0.8
California	19,971,069	21,550,000	21,900,000	22,314,000	22,694,000	1.3	1.6	1.9	1.7

*Yearly Average

Source: California Department of Finance

COMPONENTS OF POPULATION CHANGE

APRIL 1, 1970 TO JULY 1, 1979

County	Total Population		Change		Births	Deaths	Net Migration
	April 1, 1970	July 1, 1979	Number	Percent			
Alameda *	1,071,446	1,100,100	28,700	2.7	142,700	84,600	- 29,400
Alpine	484	1,200	700	147.9	100	Z	600
Amador	11,821	18,800	7,000	59.0	1,500	1,500	7,000
Butte	101,969	137,700	35,700	35.0	14,100	11,600	33,200
Calaveras	13,585	20,100	6,500	48.0	1,600	1,500	6,400
Colusa	12,430	13,000	600	4.6	1,800	1,200	---
Contra Costa *	556,116	635,300	79,200	14.2	72,200	37,900	44,900
Del Norte	14,580	17,700	3,100	21.4	2,700	1,500	1,900
El Dorado	43,833	83,200	39,400	89.8	6,700	4,000	36,700
Fresno *	413,329	485,100	71,800	17.4	74,900	33,800	30,700
Glenn	17,521	21,300	3,800	21.6	2,800	1,800	2,800
Humboldt	99,692	107,700	8,000	8.0	14,900	8,200	1,300
Imperial	74,492	93,600	19,100	25.7	15,400	5,600	9,300
Inyo	15,571	18,600	3,000	19.5	2,100	1,700	2,600
Kern *	330,234	375,300	45,100	13.6	58,600	26,400	12,900
Kings	66,717	71,900	5,200	7.8	13,400	4,800	- 3,400
Lake	19,548	34,200	14,700	75.0	2,800	3,800	15,700
Lassen	16,796	21,300	4,500	26.8	2,500	1,500	3,500
Los Angeles *	7,041,980	7,128,400	86,400	1.2	1,061,700	555,000	- 420,300
Madera	41,519	56,800	15,300	36.8	8,100	4,100	11,300
Marin *	208,652	224,000	15,300	7.4	21,500	14,200	8,000
Mariposa	6,015	10,800	4,800	79.8	800	800	4,800
Mendocino	51,101	65,500	14,400	28.2	8,800	5,000	10,600
Merced	104,629	127,700	23,100	22.1	21,400	7,500	9,200
Modoc	7,469	9,000	1,500	20.5	1,100	800	1,200
Mono	4,016	8,600	4,600	114.1	700	300	4,200
Monterey *	247,450	281,200	33,700	13.6	46,300	16,600	4,000
Napa *	79,140	93,600	14,500	18.3	9,500	9,100	14,100
Nevada	26,346	47,700	21,400	81.1	3,800	3,700	21,300
Orange *	1,421,233	1,874,100	452,900	31.9	233,100	93,100	312,900
Placer *	77,632	113,500	35,900	46.2	10,800	7,500	32,600
Plumas	11,707	16,800	5,100	43.5	1,900	1,300	4,500
Riverside *	456,916	634,100	177,200	38.8	76,500	48,800	149,500
Sacramento *	634,373	756,700	122,300	19.3	95,100	48,000	75,200
San Benito	18,226	22,100	3,900	21.3	3,900	1,500	1,500
San Bernardino *	682,233	811,300	129,100	18.9	113,300	55,100	70,900
San Diego *	1,357,854	1,800,100	442,200	32.6	225,100	106,100	323,200
San Francisco *	715,674	642,400	- 73,300	-10.2	77,800	74,600	- 76,500
San Joaquin *	291,073	319,700	28,600	9.8	44,800	26,000	9,800
San Luis Obispo	105,690	147,200	41,500	39.3	14,700	10,300	37,100
San Mateo *	557,361	592,300	34,900	6.3	66,200	37,900	6,600
Santa Barbara *	264,324	295,100	30,800	11.6	35,300	19,700	15,200
Santa Clara *	1,065,313	1,253,100	187,800	17.6	162,200	63,100	88,700
Santa Cruz *	123,790	176,100	52,300	42.3	20,400	14,800	46,700
Shasta	77,640	113,200	35,600	45.8	12,200	7,400	30,800
Sierra	2,365	3,300	900	39.5	300	200	800
Siskiyou	33,225	39,700	6,500	19.5	4,800	3,200	4,900
Solano *	171,989	218,500	46,500	27.0	32,100	11,800	26,200
Sonoma *	204,885	280,000	75,100	36.7	32,400	21,900	64,600
Stanislaus *	194,506	251,200	56,700	29.1	34,900	17,800	39,600
Sutter	41,935	50,400	8,500	20.2	7,000	3,600	5,100
Tehama	29,517	37,100	7,600	25.7	4,200	3,000	6,400
Trinity	7,615	12,500	4,900	64.1	1,200	800	4,500
Tulare	188,322	231,700	43,400	23.0	37,100	16,300	22,600
Tuolumne	22,169	34,300	12,100	54.7	3,100	2,300	11,300
Ventura *	378,497	499,500	121,000	32.0	68,100	24,600	77,500
Yolo *	91,788	109,500	17,700	19.3	13,400	6,800	11,100
Yuba	44,736	48,800	4,100	9.1	8,500	3,300	- 1,100
California	19,971,069	22,694,000	2,722,900	13.6	3,054,900	1,579,300	1,247,300

*Metropolitan County

(Z)Less than 50 persons

Employment Status of the Working-Age Population in California by Race, Sex and Age 1979 Annual Averages (numbers in thousands)

Race, Sex and Age	Population	Labor Force Level	Employment Level	Unemployment Rate Level	Unemployment Rate Percent	Unemployment Rate Range
TOTAL						
16+	16,743	10,959	10,276	683	6.2	6.0- 6.4
16-19	1,600	942	778	164	17.4	16.1-18.7
20-24	2,146	1,694	1,539	158	9.3	8.6-10.0
25-44	6,495	5,241	4,986	254	4.9	4.6- 5.2
45+	6,503	3,082	2,875	106	3.4	3.1- 3.7
Male						
16+	7,928	6,259	5,904	354	5.7	5.4- 6.0
16-24	1,816	1,394	1,213	180	12.9	11.9-13.9
25+	6,111	4,866	4,691	174	3.6	3.3- 3.9
Female						
16+	8,815	4,700	4,372	328	7.0	6.6- 7.4
16-24	1,929	1,242	1,100	142	11.4	10.4-12.4
25+	6,885	3,457	3,272	186	5.4	5.0- 5.8
WHITE						
16+	14,635	9,631	9,074	558	5.8	5.5- 6.1
16-19	1,358	840	705	136	16.2	14.9-17.5
20-24	1,835	1,468	1,348	120	8.2	7.4- 9.0
25-44	5,648	4,580	4,374	206	4.5	4.2- 4.8
45+	5,795	2,742	2,647	96	3.5	3.1- 3.9
Male						
16+	6,964	5,561	5,276	285	5.1	4.8- 5.4
16-24	1,544	1,218	1,078	141	11.6	10.6-12.6
25+	5,421	4,343	4,199	144	3.3	3.0- 3.6
Female						
16+	7,671	4,071	3,798	273	6.7	6.3- 7.1
16-24	1,649	1,091	974	115	10.5	9.5-11.5
25+	6,024	2,979	2,822	158	5.3	4.9- 5.7
NONWHITE						
16+	2,108	1,328	1,203	125	9.4	8.5-10.3
16-24	554	328	262	66	20.1	17.6-22.6
25+	1,554	1,000	941	59	5.9	5.1- 6.7
Male						
16+	964	698	628	70	10.0	8.7-11.3
Female						
16+	1,144	629	574	55	8.7	7.4-10.0

Source: Unofficial and unpublished data from the U. S. Department of Labor based on the California sample of the Current Population Survey.

Employment Status of the Working-Age Population in California by Race, Sex and Age
1978 Annual Averages
(numbers in thousands)

Race, Sex and Age	Population	Labor Force Level	Employment Level	Unemployment Rate Level	Unemployment Rate Percent	Unemployment Rate Range
TOTAL						
16+	16,356	10,646	9,890	756	7.1	6.8- 7.4
16-19	1,583	936	758	179	19.1	17.7-20.5
20-24	2,176	1,680	1,509	170	10.1	9.3-10.9
25-44	6,323	5,507	4,767	290	5.7	5.4- 6.0
45+	6,276	2,973	2,856	117	3.9	3.5- 4.3
Male						
16+	7,797	6,176	5,776	400	6.5	6.2- 6.8
16-24	1,860	1,439	1,245	194	13.5	12.5-14.5
25+	5,937	4,737	4,533	204	4.3	4.0- 4.6
Female						
16+	8,560	4,471	4,113	357	8.0	7.6- 8.4
16-24	1,897	1,178	1,023	155	13.2	12.2-14.2
25+	6,663	3,292	3,090	202	6.1	5.7- 6.5
WHITE						
16+	14,288	9,332	8,729	604	6.5	6.2- 6.8
16-19	1,338	832	688	145	17.4	16.0-18.8
20-24	1,872	1,463	1,340	127	8.7	7.9- 9.5
25-44	5,476	4,391	4,154	236	5.4	5.0- 5.8
45+	5,604	2,647	2,551	96	3.6	3.2- 4.0
Male						
16+	6,849	5,583	5,166	317	5.8	5.5- 6.1
16-24	1,602	1,274	1,121	153	12.0	11.0-13.0
25+	5,247	4,209	4,045	164	3.9	3.6- 4.2
Female						
16+	7,440	3,850	3,563	287	7.5	7.1- 7.9
16-24	1,607	1,021	902	119	11.7	10.6-12.8
25+	5,832	2,829	2,660	168	5.9	5.4- 6.4
NONWHITE						
16+	2,068	1,314	1,161	152	11.6	10.6-12.6
16-24	548	321	245	77	24.0	21.3-26.7
25+	1,520	992	917	74	7.0	6.6- 8.4
Male						
16+	948	693	611	81	11.7	10.3-13.1
Female						
16+	1,119	621	551	70	11.3	9.9-12.7

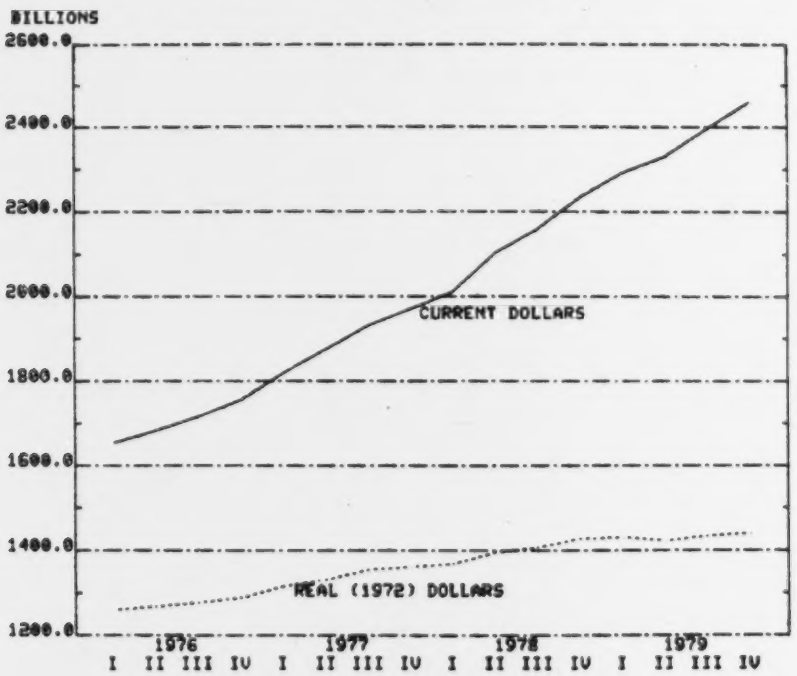
Source: Unofficial and unpublished data from the U. S. Department of Labor based on the California sample of the Current Population Survey.

THE NATIONAL ECONOMY

National economic growth moderated during 1979 from the pace set during the preceding three years as the economy completed its' fifth year of expansion. Based on preliminary estimates, real Gross National Product (GNP) increased by about 1.0 percent over the four quarters of 1979, which is down from the 5 percent average annual increase between 1976 and 1978.

The pattern of economic growth over the year was uneven with real GNP falling in the second quarter in response to falling Personal Consumption Expenditures. This, in turn, was likely the consequence of the adverse impact long gas lines had on the nation's shoppers. Real GNP rebounded in the summer with the resumption of more normal shopping patterns, while following a more moderate course during the last two quarters of the year.

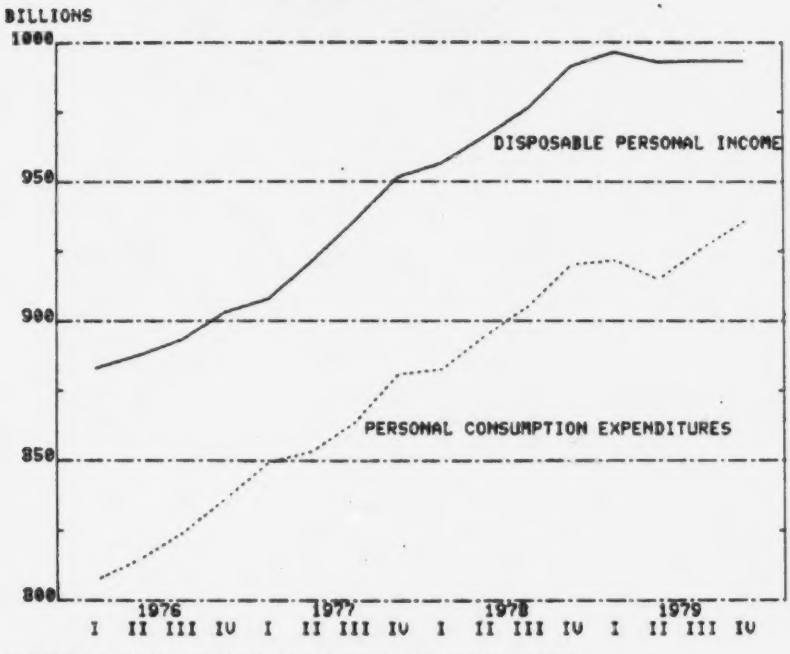
GROSS NATIONAL PRODUCT



QUARTERLY DATA, SEASONALLY ADJUSTED AT ANNUAL RATES

While the drag on consumer's real income resulting from substantial energy price increases was likely the primary factor in the slowdown in economic activity, comparative strength in the consumer sector kept the economy from slipping further. Personal Consumption Expenditure increased by about 1.5 percent over the four quarters of 1979, even though real disposable income fell in the second quarter and remained flat for the balance of the year. Similarly, real wages and, hence, worker's real income declined over the year. Continued growth in personal consumption was thus sustained by continued heavy borrowing and reductions in savings. In the fourth quarter of 1979, the personal savings rate fell to 3.4 percent of disposable personal income, the lowest rate in 29 years.

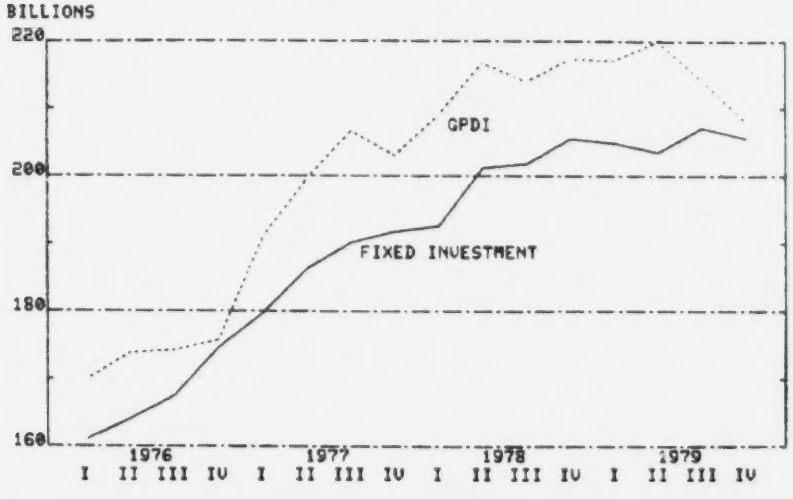
PERSONAL CONSUMPTION EXPENDITURES
& DISPOSABLE PERSONAL INCOME
(1972 DOLLARS)



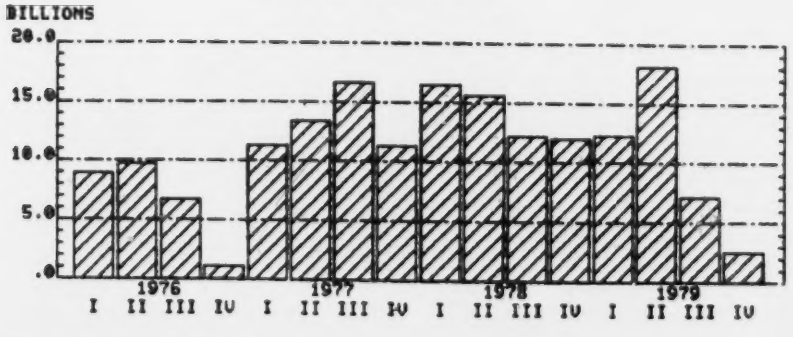
QUARTERLY DATA, SEASONALLY ADJUSTED AT ANNUAL RATES

Growth in Business Fixed Investment slowed over the year, increasing by about 1.7 percent over the four quarters of 1979, down from the 10.5 percent growth rate of the previous four quarters. The housing market also fell from the high plateau sustained in 1978. During 1979, real residential construction fell by about 6 percent, while housing starts numbered about 1.74 million units, down from the 2.0 million level registered in 1978. It is interesting to note that the rising cost of mortgages and construction costs depressed housing sales and starts moderately until late in the year. This likely reflects the underlying strength of demographic factors on the housing market as well as the perception that housing is expected to remain a good investment. Inflation, as measured by the Consumer Price Index, accelerated during 1979 increasing by about 13 percent, due mainly to large increases in energy prices and the costs of home purchase and financing.

GROSS PRIVATE DOMESTIC INVESTMENT
(1972 DOLLARS)



CHANGE IN BUSINESS INVENTORIES
(1972 DOLLARS)



QUARTERLY DATA, SEASONALLY ADJUSTED AT ANNUAL RATES

The nation's labor markets continued to exhibit improvement during 1979 albeit at a reduced rate during the year. Civilian employment increased by about 2.6 million on an annual average basis and by 2.0 million between the fourth quarters of 1979 and 1978. About 70 percent of the increase was accounted for by growth in employment of adult women. The national unemployment rate remained in the 5.7 -5.9 percent range throughout the year. The increase in employment coupled with slowing economic activity, in part, resulted in a 2.2 percent decline in productivity between the fourth quarters of 1978 and 1979.

THE CALIFORNIA ECONOMY

Economic growth in California, while moderating from the rapid pace experienced during 1978, continued to exhibit gains in excess of those posted for the nation as a whole. Continued strength in nonagricultural wage and salary employment as well as relative personal income growth greater than that for the U. S. including California point to the conclusion that California's economy continued to outperform that for the nation during 1979, albeit at reduced rates of growth consistent with the slowing in economic activity nationally.

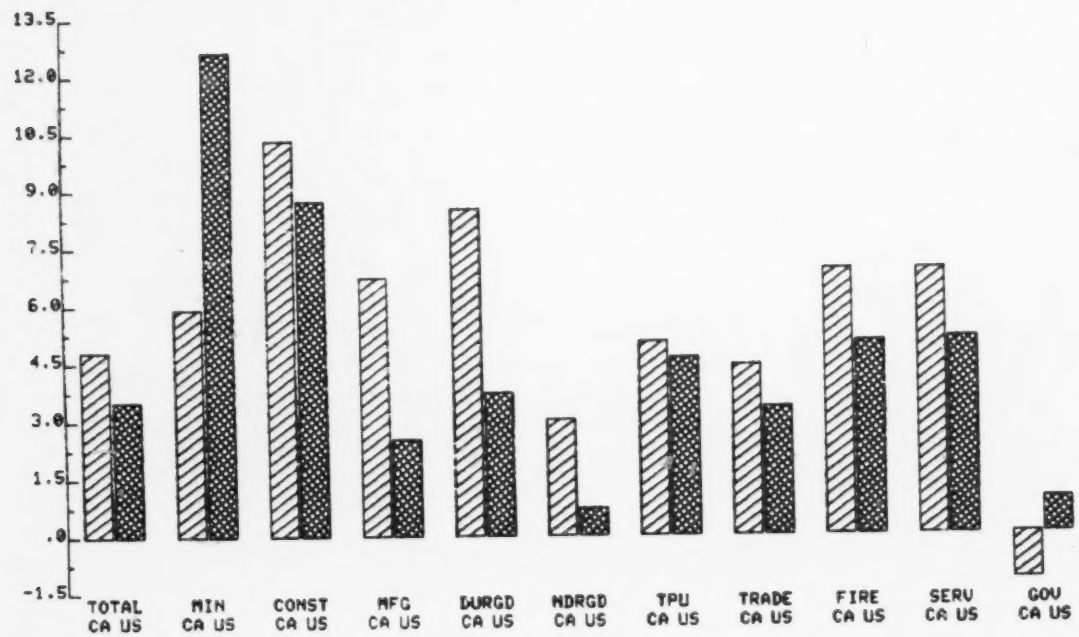
Construction activity softened during 1979 in response to rising costs of home and project financing. Home building fell by 14 percent as permits authorized declined from about 247,000 to 210,000 units. Activity in multiple-family construction showed considerable slippage with permits in this sector falling by 19 percent. Single family permits declined by about 10 percent. Nationally, total permits authorized fell by 15 percent, but the mix between multiple and single family permits was opposite to that which occurred in California with multiples falling by 11 percent and single family permits by 17 percent. Nonresidential construction exhibited comparative strength during 1979 as current dollar valuation increased by 22 percent over 1978. This gain was led by a 37 percent increase in commercial permit valuations in Southern California, which accounted for 57 percent of growth statewide.

California Department of Finance (DOF) estimates indicate that personal income is expected to increase by about 13.8 percent in current dollars over 1978, which indicates comparatively small real income gains, as the Consumer Price Index (CPI) advanced at an 11.3 rate, up from the 7.9 increase experienced during 1978. Between the second and third quarters of 1979, personal income increased by 3.8 percent in California, a rate of increase greater than that for all but two other states for this period.

Retail sales, as measured by taxable sales, increased by 16 percent in 1979 based on preliminary data released by the DOF. Given accelerated increases in the CPI, however, real gains in sales amounted to slightly more than 4 percent, down from the real gain of about 5.5 percent during 1978.

Employment gains continued to outpace the nation in 1979 as the number of nonagricultural wage and salary jobs increased by a strong 440,700 over the 1978 annual average. With the exception of mining and government, all major industrial sectors grew at rates in excess of their national counterparts. Civilian employment increased by 395,000 while unemployment fell by 72,000 on an annual average basis. As a result, the unemployment rate averaged 6.2 percent in 1979, down from the 7.1 percent rate realized in 1978.

COMPARISON OF 1978-79 GROWTH RATES OF CALIFORNIA AND THE UNITED STATES BY INDUSTRY



OUTLOOK:

As the table on page 14 indicates, civilian employment is expected to increase by almost 200,000 during 1980 compared to annual growth of 395,000 during 1979. Unemployment is expected to edge upward between the second and fourth quarters of this year with the unemployment rate peaking during the fourth quarter at 7.8 percent. The unemployment rate is forecast to average 7.0 percent for calendar year 1980. The year 1981 should be one of accelerated improvement, with civilian employment increasing by 340,000 on an annual average basis. Unemployment is expected to decline throughout 1981, dropping to 6.6 percent in the fourth quarter of 1981 while averaging 7.1 percent for the year.

Due to continued strength in the aerospace component of durable goods employment, we expect manufacturing to add 8,000 jobs in 1980, of the total estimated increase of 200,000 wage and salary jobs. In 1981, total wage and salary employment is expected to average 10,231,000 jobs, for a year over gain of 350,000 jobs or 3.5 percent.

Our principal economic assumptions for 1980 and 1981 include the expectation that the national economy will experience a slowing in activity during 1980, followed by renewed moderate strength in 1981. While the long awaited national recession failed to materialize during 1979, it is anticipated that the national economy will experience a mild recession during the middle months of 1980. Real Gross National Product increased at an annual rate of 2.1 percent during the fourth quarter of 1979, but was propelled in large part by increases in consumer expenditures in the face of declining to flat real disposable income. It is not expected that consumers can continue to support the expansion of the economy in this fashion during the coming months. Further, expectations that the Federal Reserve will continue its attempts to slow monetary growth as a means of slowing increases in the overall price level should contribute to the slowing in economic activity.

Monetary policy experienced a pronounced shift in emphasis when, on October 6, 1979, the Federal Reserve Board (FED) began to focus on controlling the supply of bank reserves as a means of acheiving desired rates of monetary growth while allowing interest rates to fluctuate. This resulted in sharp increases in interest rates and a slower growth in the issuance of commercial as well as consumer loans. The prime interest rate (that rate charged by banks to their most preferred customers) recently toped 19 percent. Recent developments in prices which saw the Consumer Price Index advancing at 16.8 percent annual rates during January and February of this year prompted the introduction of more stringent monetary measures on the part of the FED aimed at further curbing the expansion of credit. The gist of these measures is to make it more costly on the part of consumers to secure revolving credit as well as increasing the costs to lenders advancing credit, and to limit the amount of new business loans. These policies taken in concert with the Administrations stated intent to pursue a nonexpansionary fiscal policy, as well as slumping housing and auto markets point to the conclusion that a recession is likely to occur this year.

California is expected to fare better than the nation over the forecast period due to the less cyclically sensitive nature of manufacturing in California as well as the fact that manufacturing comprises a smaller portion of total employment in California relative to the nation as a whole. Manufacturing, along with construction, normally suffers the largest employment declines during a recession. Further, the comparative strength of aerospace in this state should help insulate California from the adverse effects of a stagnant national economy. According to the California Department of Finance, backlogs of orders for commercial aircraft should propell employment in this sector for several years. Additionally, California's position as the leader in Department of Defense and NASA prime contract awards should further benefit the state's economy in view of the Federal government's intent to increase defense spending in the coming fiscal year.

LABOR FORCE TRENDS AND OUTLOOK

Employment

Total civilian employment averaged 10,285,000 during 1979 for a year over gain of 395,000, or 4.0 percent. Relative growth in California

exceeded that of the nation, where civilian employment increased by 2.6 million, or 2.7 percent.

Growth in civilian employment is forecast to slow during 1980 with accelerated gains expected in 1981. Employment levels are expected to number 10,483,000 and 10,823,000 in 1980 and 1981, respectively.

LABOR FORCE

Labor Force growth moderated during 1979 increasing by 322,000, or 3.0 percent, averaging 10,968,000 for the year.

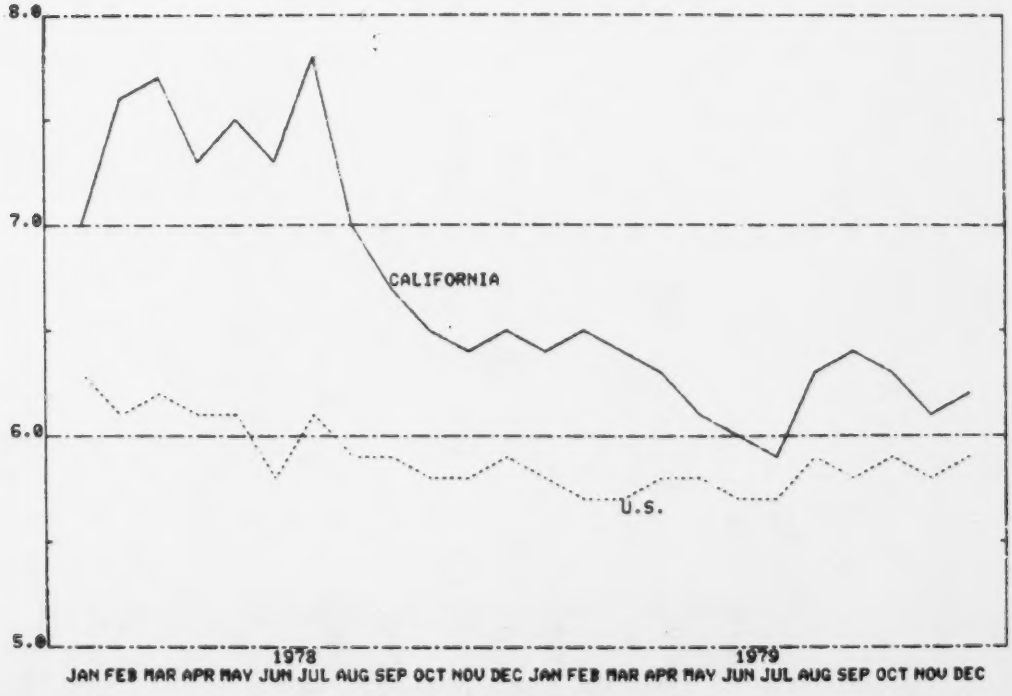
Growth during 1980 is expected to reflect a cyclical slowing, increasing by 304,000 followed by a gain of 374,000 in 1981. The labor force is expected to average 11,272,000 in 1980 and 11,646,000 for 1981.

UNEMPLOYMENT

The level of unemployment fell by 72,000 during 1979 and the unemployment rate declined from 7.1 percent in 1978 to 6.2 percent. Over the year, the seasonally adjusted unemployment rate ranged between 6.5 percent and 5.8 percent while that for the nation fell within the narrow band of 5.7 percent to 5.9 percent.

Unemployment is forecast to average 789,000 during 1980 and 824,000 during 1981. The unemployment rate is expected to average 7.0 percent for 1980 and 7.1 percent for 1981. Improvement in unemployment is anticipated between the fourth quarters of 1980 and 1981 with the quarterly seasonally adjusted employment rate falling from 7.8 percent to 6.6 percent over this period.

COMPARISON OF SEASONALLY ADJUSTED UNEMPLOYMENT RATES



March 3, 1980

Labor Force, Employment, Unemployment:
California 1979 (I) - 1981 (IV) Seasonally Adjusted
In Thousands

	1979				1980				1981			
	I	II	III	IV	I (E)	II (F)	III (F)	IV (F)	I(F)	II (F)	III (F)	IV (F)
Labor Force	10,832	10,853	11,046	11,145	11,160	11,223	11,320	11,383	11,470	11,560	11,705	11,850
Employment	10,138	10,189	10,360	10,455	10,475	10,480	10,475	10,500	10,610	10,730	10,885	11,065
Unemployment	694	664	685	691	685	743	845	883	860	830	820	785
Rate	6.4	6.1	6.2	6.2	6.1	6.6	7.5	7.8	7.5	7.2	7.0	6.6
Annual Average:		Absolute Change	% Change			Absolute Change	% Change			Absolute Change	% Change	
Labor Force	10,968	+322	3.0		11,272	+304	2.8		11,646	+374	+3.3	
Employment	10,285	+395	4.0		10,483	+198	1.9		10,823	+340	+3.2	
Unemployment	684	-72			789	+105			824	+35		
Rate	6.2				7.0				7.1			

Source: Employment Development Department
Employment Data and Research Division
Economic Analysis Group

E = Estimate
F = Forecast

March 3, 1980

Non Agricultural Wage and Salary Employment:
California, 1979 - 1981 Annual Averages
In Thousands

	1979(E) [1/]	1980(F)	1981(F)	Change 1979-80	Change 1980-81	Percent Change 1979-80	Percent Change 1980-81
Total	9681	9881	10231	+200	+350	2.1	3.5
Mining	40	41	42	+1	+1	2.5	2.4
Construction	463	441	456	-22	+15	-4.8	3.4
Manufacturing	2002	2010	2065	+8	+55	.4	2.7
Transportation and Public Utilities	537	539	555	+2	+16	.4	3.0
Trade	2232	2293	2402	+61	+109	2.7	4.8
Finance, Insurance, and Real Estate	597	620	648	+23	+28	3.9	4.5
Services	2081	2181	2296	+100	+115	4.8	5.3
Government	1729	1756	1767	+27	+11	1.6	.6

Source: Employment Development Department
Employment Data and Research Division
Economic Analysis Group

1/ 1979 annual averages are based on the unofficial Interim Series of Employment prepared by the Employment Development Department which incorporates data on actual job totals as they become available.

REASONS FOR UNEMPLOYMENT

Job Losers: The United States Bureau of Labor Statistics classifies jobseekers into four categories based on reasons for unemployment. One group is identified as job losers, a group consisting of persons whose employment ended involuntarily and who promptly began looking for other work. Job losers comprise the largest segment of the unemployed.

Job Leavers: This group of unemployed consists of individuals who resigned or otherwise voluntarily terminated their employment and subsequently began to look for other work. This group fluctuates with the business cycle since there is more tendency for people to leave jobs when times are good and finding a new job is easiest.

Reentrants: Individuals who have previously worked at a full-time job lasting two weeks or longer but who have been temporarily out of the labor force are classified as reentrants.

This is the second largest group of unemployed.

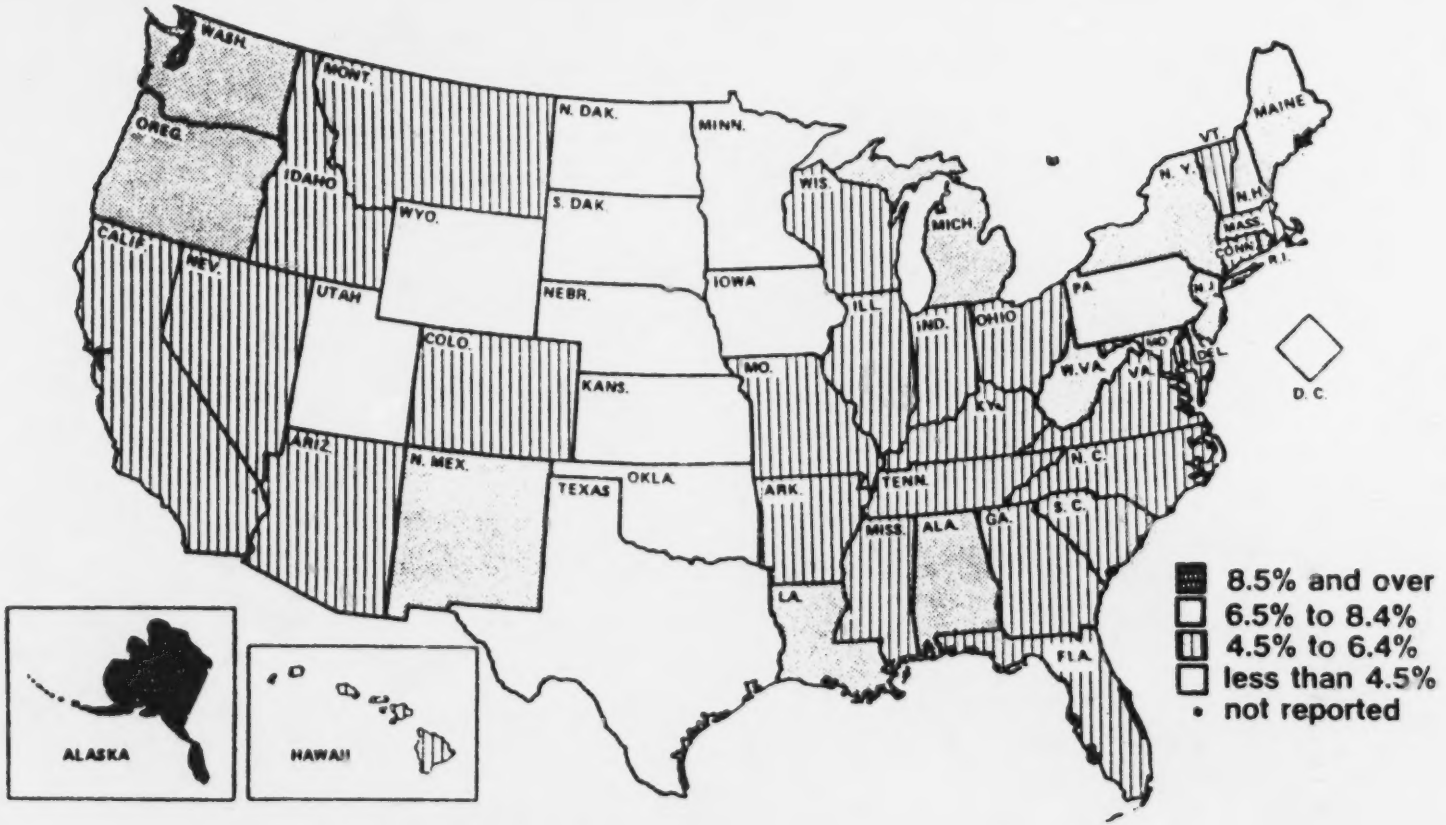
New Entrants: This group consists of persons who have never worked at a full-time job lasting two weeks or longer.

REASONS FOR UNEMPLOYMENT[1/]
California

Labor Force Group	January 1980	December 1979	November 1979	January 1979
Percent distribution				
Total unemployed	100.0	100.0	100.0	100.0
Job losers	50.3	51.7	46.0	48.5
Job leavers	13.6	10.4	14.1	13.8
Reentrants	26.4	23.2	26.7	27.1
New entrants	9.8	14.7	13.3	10.6

1/ Data supplied by the U. S. Department of Labor from their current population survey. No comparable data available for areas within California.

Unemployment Rates by State, 1979 Annual Average



Source: U.S. Department of Labor, Bureau of Labor Statistics, January 1980

Employment Status of the Working-Age Population in California
Annual Averages 1978-1979
(numbers in thousands)

Employment Status	Annual Average 1979	Annual Average 1978
Total		
Labor Force	10,959	10,646
Labor Force Participation Rate	65.5	65.1
Employed	10,276	9,890
Employment-Population Ratio	61.4	60.5
Unemployed	638	756
Unemployment Rate	6.2	7.1
Range	6.0- 6.4	6.8- 7.4
Male, Age 20 and Over		
Labor Force	5,751	5,672
Labor Force Participation Rate	80.7	80.9
Employed	5,493	5,371
Employment-Population Ratio	77.1	76.7
Unemployed	257	302
Unemployment Rate	4.5	5.3
Range	4.2- 4.8	5.0- 5.6
Female, Age 20 and Over		
Labor Force	4,266	4,036
Labor Force Participation Rate	53.2	52.0
Employed	4,006	3,761
Employment-Population Ratio	50.0	48.4
Unemployed	261	276
Unemployment Rate	6.1	6.8
Range	5.7- 6.5	6.4- 7.2
Both Sexes, Age 16-19		
Labor Force	942	936
Labor Force Participation Rate	58.9	59.1
Employed	778	758
Employment-Population Ratio	48.6	47.9
Unemployed	164	179
Unemployment Rate	17.4	19.1
Range	16.1-18.7	17.7-20.5
White		
Labor Force	9,631	9,332
Labor Force Participation Rate	65.8	65.3
Employed	9,074	8,729
Employment-Population Ratio	62.0	61.1
Unemployed	558	604
Unemployment Rate	5.8	6.5
Range	5.5- 6.1	6.2- 6.8
Nonwhite		
Labor Force	1,328	1,314
Labor Force Participation Rate	63.0	63.5
Employed	1,203	1,161
Employment-Population Ratio	57.1	56.1
Unemployed	125	152
Unemployment Rate	9.4	11.6
Range	8.5-10.3	10.6-12.6

[a]/Number of Persons Filing Claims for Regular State Unemployment Compensation, By Sex, 1978-1979

	Total Claimants		Women	
	1978	1979	1978	1979
January	392,300	345,200	135,900	131,300
February	395,200	344,400	136,200	129,800
March	366,300	345,700	133,200	133,400
April	326,700	320,700	123,700	127,500
May	284,000	289,100	115,800	115,800
June	264,100	258,400	113,600	105,900
July	302,100	275,000	137,800	124,200
August	356,800	263,800	163,700	113,100
September	271,500	262,000	123,700	113,300
October	259,600	247,900	115,600	105,000
November	273,600	276,900	119,800	111,800
December	299,200	312,100	121,600	124,700

Annual Average

1978 - 315,950
1979 - 295,100

Annual Average

1978 - 128,383=40.6% of total
1979 - 119,650=40.5% of total

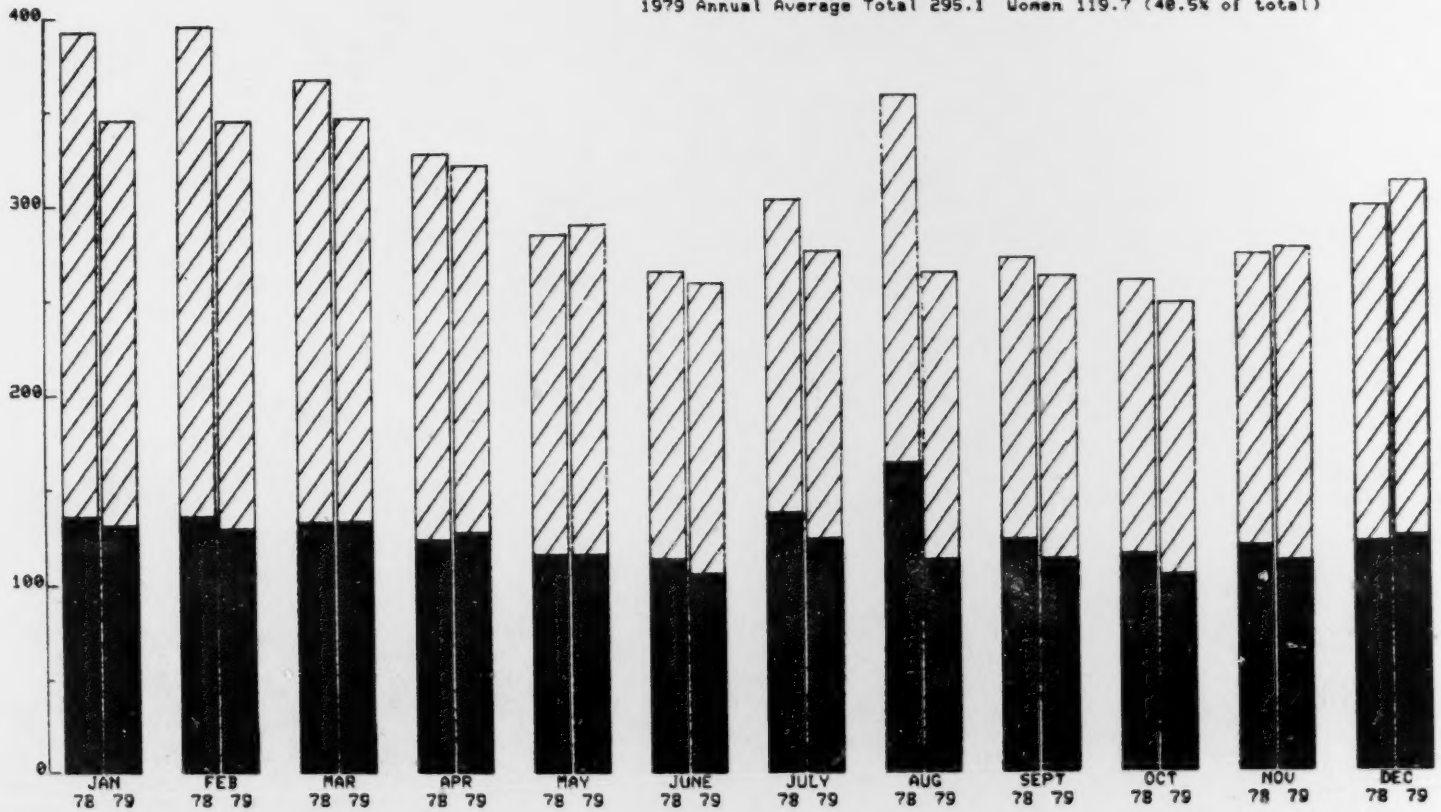
[a]/ Estimated from a one percent sample of California claimants.

Source: ES 203 Report
Employment Development Department
Employment Data and Research Division

a)NUMBER OF PERSONS FILING CLAIMS FOR REGULAR STATE UNEMPLOYMENT COMPENSATION BY SEX

1978-1979

1978 Annual Average Total 316.0 Women 128.4 (40.6% of total)
1979 Annual Average Total 295.1 Women 119.7 (40.5% of total)



Women's share of Total Claims
a)Estimated from a 1 percent sample
(SOURCE: OPERATING REPORTS GROUP, EMPLOYMENT DEVELOPMENT DEPARTMENT)

INDUSTRY TRENDS AND OUTLOOK

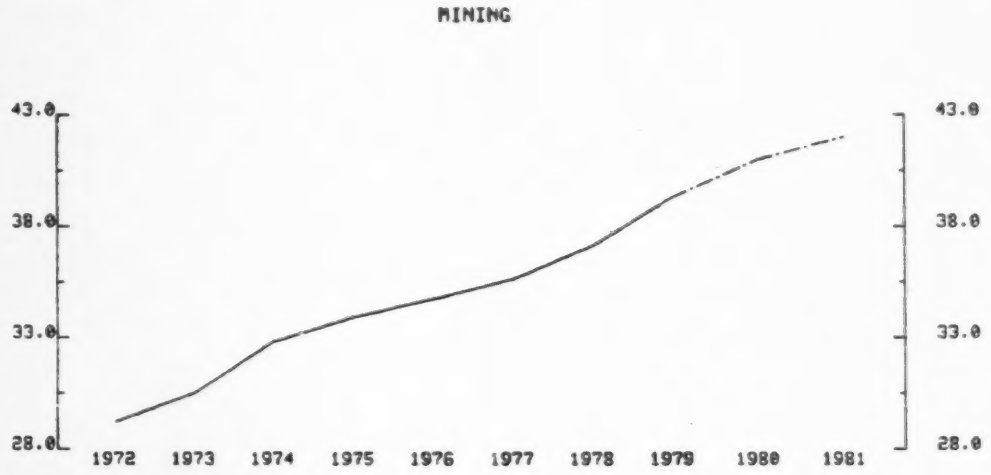
As noted above, the number of nonagricultural wage and salary jobs increased strongly during 1979, growing by 440,700 jobs or 4.8 percent, a rate of growth exceeding that for the nation as a whole. Wage and salary jobs in California averaged 9,637,800 1/ during 1979. Employment developments and outlooks for specific industries are detailed below.

1/ Figures quoted for 1979 are based on the Official Nonagricultural Wage and Salary series which is benchmarked to March 1979 Unemployment Insurance coverage data. Estimates for 1979 included in the accompanying forecast table and from which 1980 and 1981 forecasts are in part derived are based on the unofficial Interim Series of Employment which incorporates data on actual job totals as they become available.

MINING

The number of jobs in this sector during 1979 increased by 2,200 over 1978, and averaged 39,300 for the year. Almost all of the year to year growth occurred in oil and gas extraction which added 1,900 jobs over the year.

Mining is expected to add about a thousand jobs in 1980 and an additional thousand in 1981. The primary source of growth in this industry group is expected to be in the oil and gas extraction sector which, in turn, is expected to be positively influenced by deregulation of oil prices and increases in the relative price of oil products.



HISTORICAL SERIES AND 1980-81 FORECASTS
EMPLOYMENT IN THOUSANDS OF JOBS

CONSTRUCTION

Employment in the construction industry continued to expand during 1979 although at a somewhat slower pace during the second half of the year. The number of construction jobs averaged 460,600 for the year, a gain of 43,100 jobs or 10.3 percent over the 1978 average.

Employment in this industry is expected to suffer a moderate decline of about 22,000 jobs in 1980 followed by a gain of 15,000 jobs in 1981. The expected decline in 1980 is largely the result of anticipated reductions in the number of housing permits authorized and an overall slowing in activity in the housing market. This, in turn, is largely the consequence of expected declines in the demand for new housing due to increased costs of borrowing. Also, the expected slowing in growth in personal income is expected to reduce the demand for alterations to existing housing. In addition, business investment in new structures is likely to moderate during 1980, further reducing construction activity.

CONSTRUCTION

HISTORICAL SERIES AND 1980-81 FORECASTS
EMPLOYMENT IN THOUSANDS OF JOBS

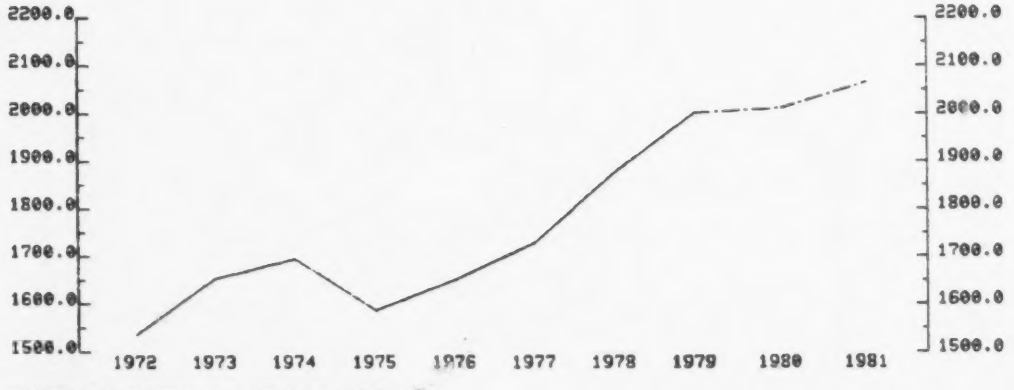
MANUFACTURING

Manufacturing activity increased during 1979 at a rate greater than that for the nation, led by strong gains in the durable goods industries (+106,500 or 8.5 percent). Manufacturing employment added 125,400 jobs or 6.7 percent over the 1978 annual average. Employment in the nondurable goods industries increased by 18,900 or 3.0 percent reaching a level of 642,700 for the year, while the number of durable goods jobs amounted to 1,357,900.

Within the durable goods sector, the strongest industries included electric and electronic equipment (+30,100 or 10.6 percent), machinery excluding electrical (+23,400 or 11.5 percent), and transportation equipment (+25,900 or 10.2 percent). Gains in the nondurable sector were led by printing and publishing (+5,600 or 5.0 percent), rubber and plastics (+4,100 or 6.4 percent), and chemicals (+2,300 or 3.7 percent).

The number of jobs in manufacturing is expected to increase marginally by 8,000 jobs in 1980 followed by a gain of 55,000 jobs in 1981. The projected flattening during 1980 is moderate by historical standards due to the expectation that aerospace will continue to maintain relatively strong forward momentum. On the negative side, manufacturing activity related to the construction industry is expected to decline due to the softening in construction activity mentioned above. Growth in transportation and equipment, with the exception of aircraft and parts, is expected to decline due to decreased demand for autos, which is largely the consequence of postponement among buyers of purchases of these products during a cyclical slowing in economic activity.

MANUFACTURING



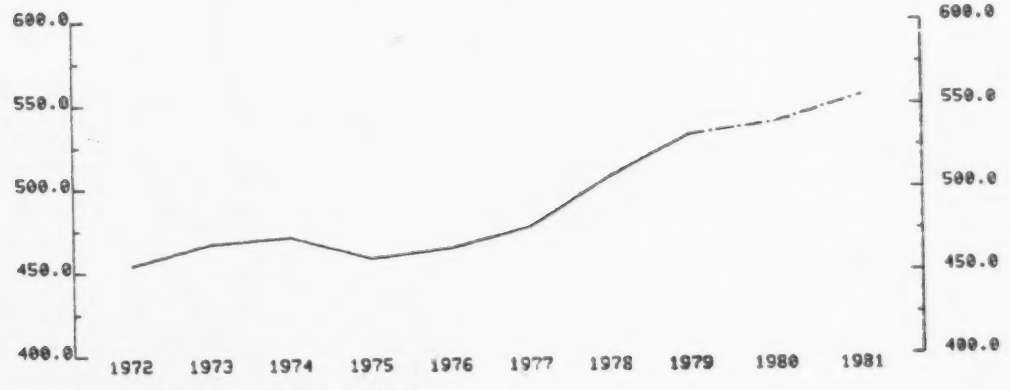
HISTORICAL SERIES AND 1980-81 FORECASTS
EMPLOYMENT IN THOUSANDS OF JOBS

TRANSPORTATION, COMMUNICATIONS, AND UTILITIES

The number of jobs in this sector increased by 25,200 during 1979 for a year over growth rate of 5.0 percent and reached a level of 531,600. About half of the growth occurred in the communications industry which added 12,300 jobs or 8.2 percent over the 1978 level. Transportation added 11,300 jobs over the year, most of which occurred in trucking and warehousing (+6,500, or 5.7 percent), while utilities increased by 1,600 jobs or 2.4 percent.

The number of jobs in this group is expected to remain virtually unchanged in 1980 followed by a gain of about 16,000 jobs in 1981. The performance of this group next year compares positively to past cyclical turns, due to expectations regarding the transportation portion of this group. Since California is expected to outperform the nation which, in turn, is expected to experience a relatively mild cyclical downturn, the movement of goods in the State is expected to be sufficient to roughly maintain employment in this sector. California's increasing role in the international trade of goods is also expected to benefit this sector.

TRANSPORTATION AND PUBLIC UTILITIES



HISTORICAL SERIES AND 1980-81 FORECASTS
EMPLOYMENT IN THOUSANDS OF JOBS

TRADE

Buoyed by continued gains in retail sales, the trade sector added 93,900 jobs during 1979, or 4.4 percent over 1978 levels. Retail trade added 65,800 jobs during 1979 while wholesale trade increased by 28,100 jobs. The trade category as a whole averaged 2,219,900 during 1979.

Trade is expected to add 61,000 jobs in 1980 and 109,000 jobs in 1981. Continued gains in the State's population are expected to increase demand for workers in this labor intensive industry. Additionally, positive trends in the demand for part time employment among workers in this field are expected to support growth in this industry. In the wholesale sector, employment is expected to benefit from the removal of the business inventory tax in California.

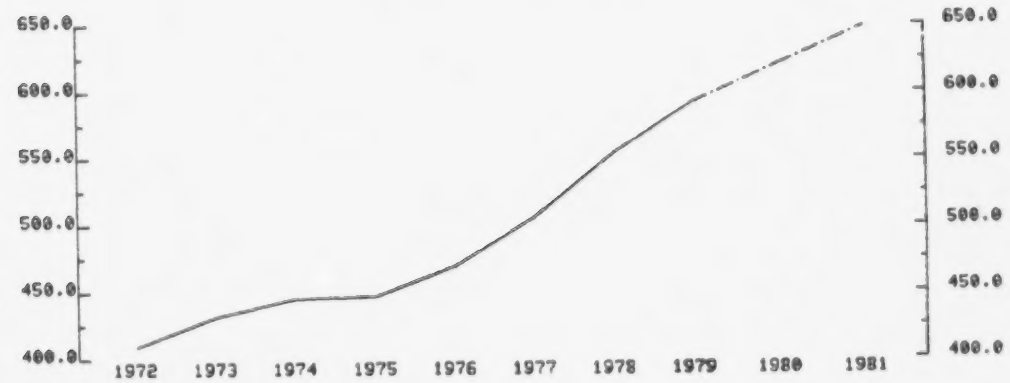
HISTORICAL SERIES AND 1980-81 FORECASTS
EMPLOYMENT IN THOUSANDS OF JOBS

FINANCE, INSURANCE, AND REAL ESTATE

The finance, insurance, and real estate sector continued to add jobs at a healthy rate during 1979, increasing by 38,300 or 6.9 percent over the 1978 annual average. For 1979, this sector averaged 591,500 jobs. Growth was balanced between the major industries of this sector, with finance adding 20,400 jobs for an increase of 7.9 percent; insurance increasing by 8,300 or 5.0 percent; and real estate growing by 8,200, or 7.0 percent, over the 1978 annual average.

Employment in this group is expected to increase by 23,000 in 1980 and 28,000 in 1981. Recent strength in housing activity albeit at a slower pace, as well as California's position in national and international finance are expected to provide the impetus behind continued expansion in this group.

FINANCE, INSURANCE, AND REAL ESTATE



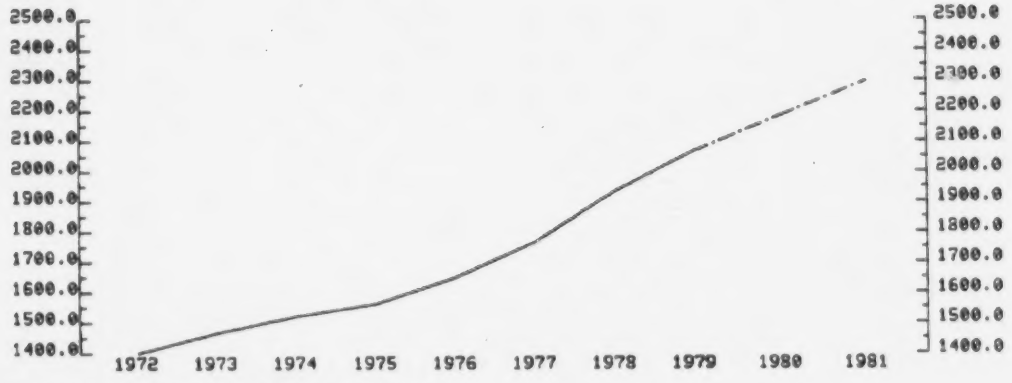
HISTORICAL SERIES AND 1980-81 FORECASTS
EMPLOYMENT IN THOUSANDS OF JOBS

SERVICES

Led by substantial gains in the business services industry (+45,600 or 11.9 percent) the services sector added 134,200 jobs in 1979, for a year-to-year gain of 6.9 percent. During 1979, jobs in services averaged 2,065,500. Jobs in the motion picture industry showed the strongest relative growth, advancing by 10,100 or 15.1 percent over the 1978 annual average of 66,800 jobs. Other areas of comparative strength within the services group included health services (+25,300 or 5.0 percent) and the auto and miscellaneous repair category, which added 8,200 jobs, or 6.6 percent, over the 1978 annual average.

The number of jobs in the services industry is expected to increase by 100,000 in 1980 and 115,000 in 1981. Continued strength is due to the less cyclically sensitive nature of demand for services which, to a certain extent, insulates it from weakening during a mild cyclical downturn. Employment growth in health and personal services, as well as growth in the business services industry, are expected to lead overall growth in this group over the forecast period.

SERVICES



HISTORICAL SERIES AND 1980-81 FORECASTS
EMPLOYMENT IN THOUSANDS OF JOBS

GOVERNMENT

Employment in the government sector declined on an annual average basis during 1979, falling by 21,600 or 1.2 percent. This was largely due to the effect of Proposition 13 adjustments in state and local government job levels, which began in the summer of 1978. For the year 1979, federal employment increased marginally adding 2,300 jobs or 0.7 percent, while the state and local category fell by 23,900 or 1.7 percent. However, on a year-over basis from August 1979 through the end of the year, government employment began to exceed year-earlier employment levels, suggesting that adjustments to Proposition 13 at the state and local level may be nearly complete.

Government employment is expected to increase by 27,000 jobs in 1980 and 11,000 jobs in 1981. Growth in this sector is expected to occur mainly in the state and local government sector. As noted above, after reducing employment in response to Proposition 13, growth in this sector appears to have resumed, largely in the field of education. Continuation of these trends, as well as activity in local education CETA jobs, are expected to propel growth in this sector albeit at slow, by recent historical standards, rates of growth.

HISTORICAL SERIES AND 1980-81 FORECASTS
EMPLOYMENT IN THOUSANDS OF JOBS

AGRICULTURE

Number of Farms and Investments

California, which is the third largest State in the continental United States, with a land area of 100.2 million acres, had an estimated 32.8 million acres in farms in 1978. California farmers produced 10 percent of the National gross cash receipts from farming in 1978. This production was realized from 62,000 farms, or 3 percent of the Nation's total.

The average California farm was estimated at 529 acres in 1978, valued at $417,323 including buildings. Nationally, the average farm size in 1978 was 444 acres and valued at $221,072 including buildings.

Land Values

The State average value per acre as of February 1, 1979, was $936, up from the $761 recorded in 1978. This compares with the average U. S. value of $560 in 1979 and $490 in 1978.

California Firsts

Some 200 crops are recognized in California, including seeds, flowers and ornamentals.

The table below lists 47 commercial crop and livestock commodities in which California leads the Nation. A large number are specialty crops in which California accounts for most of the U. S. production.

Alfalfa Seed
Almonds
Apricots
Artichokes
Asparagus
Avocados
Broccoli
Brussels Sprouts
Cantaloups
Carrots
Casaba Melons
Cauliflower
Celery
Chili Peppers
Cranshaw Melons
Cut Flowers
Dates
Eggs
Figs
Garlic
Grapes
Honeydew Melons
Kiwi
Ladino Clover Seed
Lemons
Lettuce
Lima Beans
Nectarines
Nursery Products
Olives
Onions
Oriental Vegetables
Peaches
Pears
Persian Melons
Persimmons
Pistachios
Plums
Pomegranates
Potted Plants
Prunes
Rabbits
Safflower
Spinach
Strawberries
Tomatoes, Proc.
Walnuts

State Commodity Ranking

California's "Top Twenty" crop and livestock commodities account for about

80 percent of the State's gross farm income. In 1978, cattle and calves, dairy products, and eggs continued to dominate the livestock industry, while grapes, cotton, hay, processing tomatoes, and lettuce were the most important crops.

California agriculture is considered one of the most diversified in the world, with no one crop dominating the State's farm economy. This is illustrated by the fact that most crops individually account for less than 2 percent of the State's total gross farm income. California leads the Nation by a wide margin in the production of fruits and nuts and vegetables. California accounts for over 40 percent of the Nation's cash farm receipts for fruits and nuts; while for vegetables, its share is about one-third.

Source: California Department of Food and Agriculture

Numerical and Percentage Change and Industry Profile of California Wage and Salary Employment 1978-1979

1978-79	W&S Change		Distribution Profile-Percent	
	Percent	Number	1978	1979
Total	4.8	440.7	100.0	100.0
Mining	5.9	2.2	0.4	0.4
Construction	10.3	43.1	4.5	4.8
Manufacturing	6.7	125.4	20.4	20.8
Nondurable goods	3.0	18.9	(6.8)	(6.7)
Durable goods	8.5	106.5	(13.6)	(14.1)
TCU	5.0	25.2	5.5	5.5
Wholesale	5.3	28.1	5.8	5.8
Retail	4.1	65.8	17.3	17.2
FIRE	6.9	38.3	6.0	6.1
Services	6.9	134.2	21.0	21.4
Government	-1.2	-21.6	19.0	17.9

Source: California Employment Development Department

OCCUPATIONAL OUTLOOK

OVERVIEW

This section provides data on the demand occupations of 1979 and anticipated demand occupations for 1980. Simply stated, an occupation is said to be in demand if there are not enough qualified workers available to fill job openings. There are three factors which are used to determine demand occupations: qualifications, availability, and job openings. Qualification for a job is based on employer requirements. Typical of these requirements is the need of applicants to have tools, licenses, specific degrees, and experience. Availability is frequently based on an applicant's preferences for certain job conditions. Availability to work certain shifts and availability to work in certain environments are examples of restrictions often placed on availability by applicants. The number of job openings is directly related to the economy. The demand for new products creates the need for more workers to supply those products. Employers, applicants, and the economy all play a role in the establishment of demand occupations. This section shows that relationship for the demand occupations of 1979 and the anticipated demand occupations for 1980.

The data in this section is based primarily on information found in the ED&R publication California Labor Supply and Demand report. Other data sources include Employment Service reports on registrants, JOB BANK reports, and ED&R economic analysis information.

Demand Occupations of 1979

The following list includes occupations that were in demand during all four quarters of the year and in many parts of the state. The demand occupations are first listed, then reviewed one by one. The review presents employer qualification information and when applicable, applicant availability information. Product, services and other economic information is included as appropriate.

LIST OF DEMAND OCCUPATIONS, 1979

Professional and Kindred	Drafters	001. through 017.
	Electrical Engineer	003.061-010
	Electronics Engineer	003.061-030
	Electronics Technician	003.161-014
	Programmers	020
	Nurse, General Duty	075.374-010
	Medical Assistant	079.367-010
	Dental Assistant	079.371-010
	Licensed Practical Nurse	079.374-014
Clerical and Sales	Clerk Typist	203.362-010
	Keypunch Operator	203.582-030
	Magnetic Tape/Typewriter Operator	203.582-034

	Bookkeeper	210.382-014
	Teller	211.362-018
Service	Waitress/Waiter	311.477-030
	Cooks	313 through 315
	Nurse Aide	355.674-014
	Guard, Security	372.667-034
Industrial	Machinist	600.280-022
	Auto Mechanic	620.261-010
	Diesel Mechanic	625.281-010
	TV-Radio Repairer	720.281-018
	Electronics Assembler	726.684-018
	Upholsterer, Furniture	780.381-018
	Auto Body Repairer	807.381-010
	Welders	810. through 819

Review of Demand Occupations, 1979

DRAFTERS

Demand was for journey-level drafters who were proficient in drawing, lettering, layout, and design. Irrigation and petroleum piping, printed circuit board and integrated circuit design were specializations of particular interest to employers. Best opportunities were for holders of associate or higher degrees. There was a surplus of trainees who lacked experience.

ELECTRICAL ENGINEER

Employers were looking for applicants with experience in design, manufacture, and testing of electrical components. Typical components included generators, transformers, relays, switches, motors, and electromechanical devices. Of particular interest to employers were applicants with research experience. There were good opportunities for recent graduates with Bachelor of Science degrees in Electrical Engineering. Projected annual job growth rate for 1980-1985 is 4.0 percent.

ELECTRONICS ENGINEER

Employers wanted a minimum of 2-5 years experience in the design, manufacture, and testing of electronic equipment. Opportunities were concentrated in the aerospace, communications, and data processing industries. There was a shortage of engineers who specialized in digital, analog, microwave, and semi-conductor products.

ELECTRONICS TECHNICIAN

Employers sought applicants with experience in layout, building, testing

and troubleshooting scientific computers and aerospace equipment. Calibration technicians were especially needed. There was a strong demand for technicians with a minimum of an AA degree and at least 2 years experience. Some employers would consider military electronics training as qualifying experience. A radio telephone operator's license was required from the FCC for jobs involving transmission equipment.

PROGRAMMER

Demand continued through the year for programmers, both scientific and business. Need was steady for applicants who were experienced in systems analysis, minicomputers, COBOL, assembler languages, FORTRAN, PL/I, and documentation. Strongest demand was for experienced workers with a master's degree. A surplus of trained but inexperienced applicants existed.

NURSE, GENERAL

Demand during 1979 was for registered nurses with experience in such specialties as dialysis, intensive care, operating room, cardiac care, and neonatal care. Supervisory experience and willingness to work other than day shift were also in demand. There was a constant shortage of qualified applicants willing to work in convalescent hospitals. This was a high turnover occupation. Employers were willing to consider inexperienced applicants who had training and were registered. Projected annual job growth rate for 1980-1985 is 6.6 percent.

MEDICAL ASSISTANT

Employers wanted applicants who were experienced in treatment room preparation; instrument sterilization; able to administer pulse, blood pressure, weight and other tests; able to accomplish stock replenishment, and perform general office duties. Applicants with the ability to process medical insurance forms were of particular interest to some employers. Employers preferred experienced applicants who had public or private college training. Some employers required bilingual ability of applicants. There was a surplus of marginally qualified workers.

DENTAL ASSISTANT

The applicants most in demand were those licensed by the State Board of Dental Examiners. Dental assistants with an x-ray equipment license were also in demand. Supply of well-qualified assistants was inadequate to meet need. Inexperienced trainees were in oversupply. Projected annual job growth rate for 1980-1985 is 8.5 percent.

LICENSED VOCATION NURSE

Demand continued through the year for LVN's who could perform such functions as taking temperature and blood pressure, dressing wounds, administering medications, using tracheotomy tubes, performing urinalysis,

and preparing food trays. Greatest demand was for LVN's to work in convalescent hospitals and acute care facilities, Employers wanted applicants who had all-shift availability. During the year, there was a growing demand for coronary care certification. Projected annual job growth rate for 1980-1985 is 8.8 percent.

CLERK TYPIST

There was an active job market during all four quarters of 1979 for clerk typists. Employers were looking for applicants who could type 45 to 70 wpm, who were able to use a 10-key adding machine, and who had technical material/industry experience. Some employers were very interested in finding applicants with bookkeeping experience. There was part-time and full-time work available. A good work history was essential. A surplus of marginally skilled applicants existed all year. Projected annual job growth rate for 1980-1985 is 5.7 percent.

KEYPUNCH OPERATOR

Demand was for operators who could do 10,000 to 12,000 strokes per hour. Employers also expressed interest in applicants who had IBM 3741 or 3742 experience, who had key to disc data entry experience, and a basic knowledge of business procedures. There was a strong demand for applicants who were willing to work evenings and nights. Demand came from government agencies, banks, accounting and auditing firms, and computer programming service agencies.

MAGNETIC TAPE OPERATOR

There was a steady demand for full-time operators. Other job titles given this occupation by employers were mag-card operator, word processor, word processing machine operator, Xerox 800 automated typist. Employers usually required applicants to have a good command of English and the ability to spot errors. A knowledge of the electronics industry was desired. Some employers expressed a willingness to train.

TELLER

Employers preferred applicants who had six months cash handling experience and good references. Bondability was required. Some employers wanted tellers who were fluent in English and Spanish. Most jobs were part-time, 20 to 30 hours a week. There was a shortage of applicants with math and accounting skills. Some employers expressed a willingness to train. Projected annual job growth rate for 1980-1985 is 5.4 percent.

WAITER/WAITRESS

This was a high turnover occupation during 1979. Employers were looking for experienced workers who were willing to work any shift and holidays.

Most demand was for applicants with dinner house experience and applicants who had their own transportation. There was some demand for bilingual applicants. Seasonal job opportunities existed during the year in resort areas. There was a surplus of applicants with little or no experience and those who limited their availability for shift work. Projected annual job growth rate for 1980-1985 is 6.4 percent.

COOK

A strong demand existed through the year for well-qualified chefs and cooks. Specialties in short supply were foreign and ethnic food, short order, breakfast, and dinner cooks. Demand existed for cooks willing to work night shift in 24-hour restaurants. Experience in quality restaurant or industrial/institutional setting was preferred. Cooks with marginal skills were in oversupply. Very few employers were willing to train. Projected annual job growth rate for 1980-1985 is 7.9 percent.

NURSE AIDE/ORDERLY

There was a continuous demand from nursing homes and convalescent hospitals for applicants. Workers in longterm care facilities must have been certified or enrolled in an approved course. Current certification holders had to undergo 24 hours of inservice training during the year. Applicants were usually required to have their own transportation. Projected annual job growth rate for 1980-1985 is 5.8 percent.

GUARD

There was a shortage of qualified applicants during 1979. Employers were looking for guards who had at least a high school education, good physical condition and a good work history. Desirable applicants would have military or other police training, college police science course work, license to carry a firearm and mace, and the ability to make arrests. Other hiring requirements stated by employers were bondability, ability to pass a security check, and possesion of a car and telephone. Some employers wanted applicants who were bilingual.

MACHINIST

A steady demand existed through the year for all-around machinists who could work to close tolerances. Employers were looking for applicants experienced in the use of lathes, grinders, drill presses, and milling machines. Prototypes and numeric control machine experience was desirable. Employers expressed a need for machinists willing to work second shifts and work on temporary assignments. Most applicants were machine operators who did not meet employer needs. Projected annual job growth rate for 1980-1985 is 4.5 percent.

AUTO MECHANIC

Employers were looking for mechanics who could accomplish front-end, brake,

and tune-up work. Domestic and foreign car experience were both in demand. Successful applicants had to have their own tools, and smog control, brake and lamp licenses. A surplus of marginally qualified applicants existed through the year. Projected annual job growth rate for 1980-1985 is 5.0 percent.

DIESEL MECHANIC

Demand was for journey-level mechanics who could perform complete engine and transmission overhaul. Preventive maintenance was preferred. Passenger car, truck, bus, construction equipment, and farm equipment experience were all in demand. Successful applicants generally had their own tools.

TV-RADIO REPAIRER

A shortage of well-qualified repairers experienced in repair of stereo, CB, color television, miniature, and transistorized equipment existed all year. Training opportunities were very limited because most repair shops were small. Some employers were looking for repairers with bilingual ability for counter work. Projected annual job growth rate for 1980-1985 is 5.0 percent.

ELECTRONICS ASSEMBLER

Demand was for assemblers to assemble analog and digital equipment, assemble printed circuit boards, and do harness and chassis assembly. Some jobs required applicants to assemble components under a microscope. Good soldering skills were usually required. Some employers were willing to train applicants who were capable of learning to read schematics.

UPHOLSTERERS

A shortage of qualified furniture and automobile upholsterers existed during 1979. Employers were looking for journey-level trimmers, seamsterers, and installers who could upholster new furniture, and repair/re-place old furniture and/or automobile seats. Custom experience was in strong demand.

AUTOBODY REPAIRER

Demand for well-qualified repairers was continuous through the year. Employers wanted workers who were proficient in metal repair and metal painting. Usual requirements included possession of own tools and a minimum of 5 years of experience. A surplus of entry-level applicants was available all year. Projected annual job growth rate for 1980-1985 is 5.0 percent.

WELDER

Employers expressed a need for welders with experience in such special-

izations as pipe, ship steel plate, construction, and farm equipment welding. Demand was for arc and gas, metallic inert gas (MIG) and tungston inert gas (TIG) welders. There was a surplus of semi-skilled production welders. Projected annual job growth rate for 1980-1985 is 4.5 percent.

Occupational Outlook for 1980

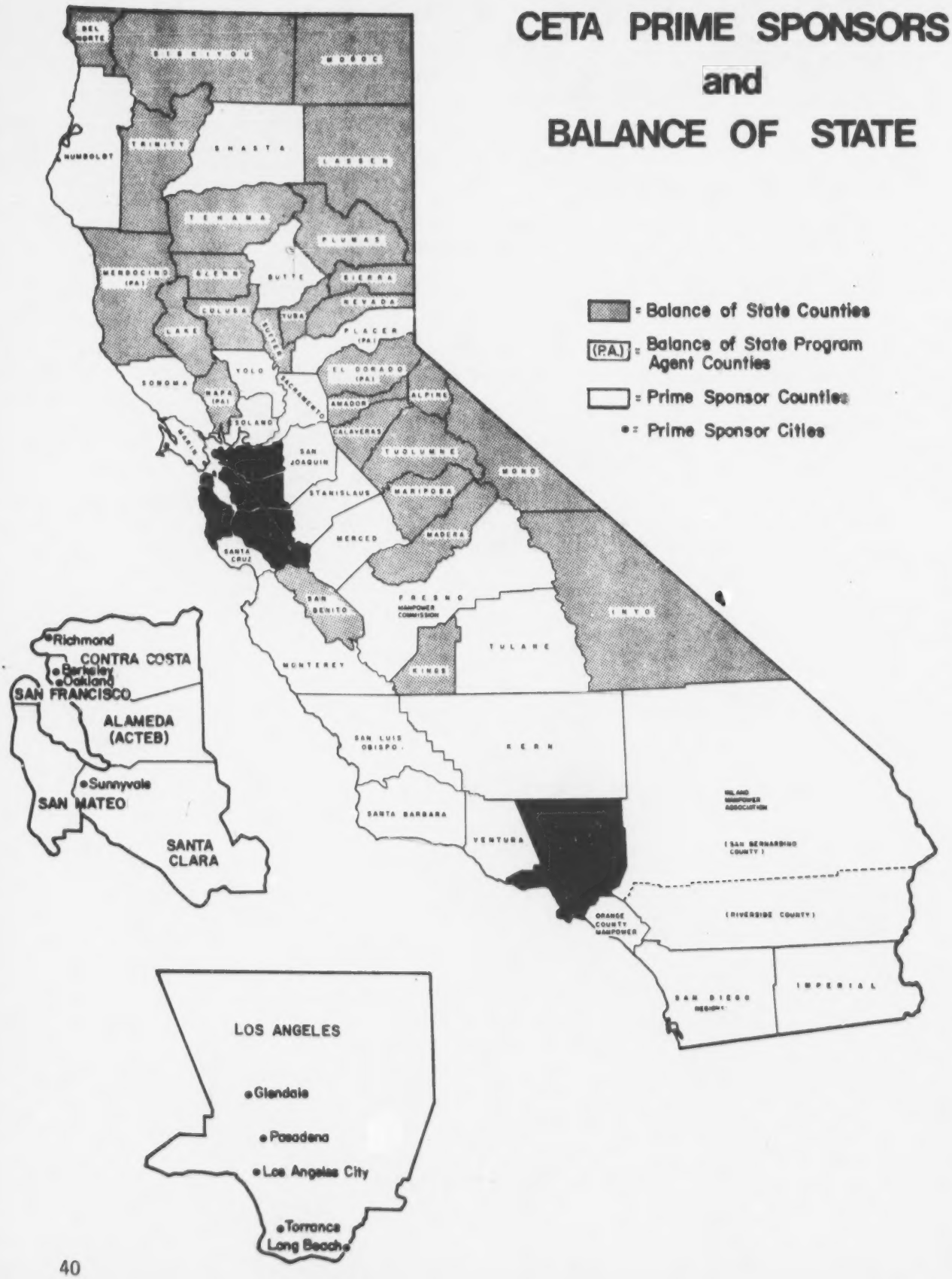
The anticipated slowdown in the State's economic activity during the first three quarters of 1980 will have a moderating effect on job opportunities during the year. Although many of the demand occupations shown for 1979 will continue to be demand occupations during 1980, in most cases job seekers should expect to face much keener competition for job openings.

Total employment is expected to grow at a much slower rate in 1980 than was the case in 1979. The services, trade, government, and finance-insurance-real estate industry divisions are expected to provide the largest job gains during 1980. Occupations expected to be in demand in the services industry include nurse, dental assistant, medical assistant, waitress, cook, TV-radio repairer, and auto body repairer. Typical of the demand jobs created by the growth in trade will be guard, shipping and receiving clerk, bookkeeper, and commercial cleaner. Occupations in government that can be expected to be in demand category include community organization workers, programmers, and clerk typists. Although total manufacturing employment is not expected to experience significant growth during 1980, moderate strength in the aerospace sector should have a positive impact on the demand for fully qualified engineers, technicians and assemblers.

Projected Average Annual Job Growth Rate, 1980-1985

Professional and Technical Workers	4.7%
Managers, Officials, Proprietors	6.6%
Sales Workers	7.5%
Clerical Workers	6.5%
Crafts Workers	4.8%
Operatives	5.0%
Service Workers	6.9%
Farmers, Farm Workers	5.3%

CETA PRIME SPONSORS and BALANCE OF STATE



TARGET GROUPS IN NEED OF EMPLOYMENT ASSISTANCE

State of California

Total Population by Race, Sex, and Age
1981 (projected)

	Total	Black Not Hisp.	Hispanic	White Not Hisp.	Other
Both sexes Total (a)	23433300	2098690	4177550	16040900	1116120
Male Total	11637660	1028770	2058200	7989450	561240
0-13	2433730	255710	576620	1469590	131810
14	187030	19180	45300	113290	9260
15	192840	19780	46710	116810	9550
16	203490	20820	46610	126750	9310
17	205660	21040	47110	128110	9410
18	214770	21970	49190	133780	9830
19	217090	22210	49720	135230	9930
20	224020	22920	51310	139540	10250
21	222610	24140	39330	148220	10920
22	219540	23810	38790	146170	10770
23-24	414130	44910	73170	275740	20320
25-34	2055930	202060	340740	1403020	110110
35-44	1605400	124180	250730	1153020	77470
45-49	641930	48380	101920	461600	30030
50-54	566130	38650	84200	418680	24590
55-59	571980	35970	75220	438360	22420
60-64	479530	28800	51450	382790	16490
65+	981850	54240	90080	798740	38770
Female Total	11795600	1069910	2119350	8051450	554880
0-13	2337250	250120	557320	1406380	123420
14	179250	18830	43650	108040	8730
15	184000	19330	44810	110900	8960
16	191040	19810	44980	117650	8590
17	194380	20160	45770	119700	8740
18	204030	21160	48040	125650	9180
19	207220	21490	48790	127620	9320
20	207680	21540	48900	127900	9340
21	206280	23330	41180	131560	10220
22	204700	23150	40860	130550	10140
23-24	392120	44340	78270	250080	19420
25-34	2023710	209880	357780	1346950	109110
35-44	1578510	139080	278690	1077010	83740
45-49	628030	51250	107050	435700	34020
50-54	566460	40860	88690	408160	28750
55-59	600210	39230	78980	457310	24700
60-64	501000	31300	51490	401940	16260
65+	1389740	75080	114080	1168340	32230

(a) Parts may not add to totals because of independent rounding.

Due to improvements in the methodology for preparing these population estimates, the data are not comparable to estimates published in previous years.

State of California

Civilian Labor Force by Race, Sex, and Age
1981 (projected)

	Total	Black Not Hisp.	Hispanic	White Not Hisp.	Other
Both sexes Total (a)	11646000	947560	1944640	8207410	546390
Male Total	6960460	506750	1175210	4966140	312360
16	82500	4770	18010	57060	2650
17	119910	7060	26810	81880	4170
18	149430	10290	36190	97440	5510
19	158200	11860	41970	98780	5590
20	165050	12020	44180	102820	6030
21	167140	13200	35700	111730	6510
22	172060	14910	35830	114070	7250
23-24	369330	33900	70690	248840	15900
25-34	1907980	166690	331020	1315340	94930
35-44	1549760	107720	244370	1123810	73860
45-49	612520	40270	96950	447460	27830
50-54	532810	31680	78940	399630	22560
55-59	492230	27270	64610	379780	20570
60-64	306450	15600	33000	245880	11970
65+	175100	9500	16930	141620	7040
Female Total	4685540	440810	769430	3241270	234030
16	49760	2820	10650	34600	1690
17	92790	5610	19780	63550	3860
18	118500	9230	26320	78580	4380
19	145420	12480	32740	94570	5620
20	142700	12460	32970	91520	5740
21	144760	15010	27850	94840	7060
22	144320	15070	26510	95780	6970
23-24	273300	29940	48950	180820	13590
25-34	1329000	152420	221460	886660	68460
35-44	1000450	92290	166590	686090	55480
45-49	370210	31720	57290	256740	24450
50-54	324380	23250	45390	236180	19570
55-59	289340	20450	32700	226740	9440
60-64	163060	11130	13340	132720	5870
65+	97560	6930	6900	81870	1850

(a) Parts may not add to totals because of independent rounding.

Due to improvements in the methodology for preparing these labor force estimates, the data are not comparable to estimates published in previous years.

ESTIMATED NUMBER OF MALE VETERANS IN CIVILIAN LIFE 1979 MALE VETERAN POPULATION BY AGE

Total Veterans AGE	3,332,000
17-19	13,689
20-24	132,563
25-29	273,787
30-34	417,792
35-39	293,044
40-44	259,428
45-54	843,894
55-64	788,880
65+	308,923

Source: Employment Development Department Estimates

CIVILIAN NONINSTITUTIONAL VIETNAM ERA VETERANS ESTIMATED 1979 POPULATION AND LABOR FORCE STATUS

AGE	POPULATION	LABOR FORCE	UNEMPLOYMENT	UNEMPLOYMENT RATE
20-24	62,650	57,640	7,030	12.2
25-29	226,160	214,850	13,320	6.2
30-34	406,570	394,370	13,800	3.5
35-39	176,280	171,350	5,140	3.0
40+	94,400	81,090	2,840	3.5

Source: Employment Development Department Estimates

California

Persons Below Poverty Level
1981 (Projected)

Total	2,573,310
Black (Not Hisp.)	491,660
Hispanic	658,120
White (Not Hisp.)	1,298,550
Other	124,980

Source: California Department of Benefit Payments Public Welfare in California - data used as basis for EDD estimates.

Family Heads Below Poverty Level
1981 (Projected)

	Total	Male	Female
Total	503,020	293,260	209,760
Black (Not Hisp.)	97,280	36,930	60,350
Hispanic	127,110	79,060	48,050
White (Not Hisp.)	256,640	162,250	94,390
Other	21,990	15,020	6,970

Source: California Department of Benefit Payments Public Welfare in California - data used as basis for EDD estimates.

California

Social Security Recipients

December 1978

Total	3,105,841
Sex	
Adult Male	1,104,140
Adult Female	1,589,096
Total under 21 yrs.	412,605
Age	
Under 65	1,059,093
65-71	911,077
72 and over	1,135,671

Source: Social Security Administration

Public Assistance Recipients

September 1979

Food Stamp Recipients	1,342,225
General Home Relief Recipients	25,691
Children in Foster Family Homes	18,832
Children in Institutions	5,969

Source: California Department of Benefit Payments, Public Welfare in California.

California

Aid to Families with Dependent Children (AFDC)

Characteristics of Recipients 16 and Over

September 1979

	Total (a) AFDC	Mandatory WIN Registrants	WIN Exempt
Total 16+	538,610	171,060	367,550
Sex			
Male	112,890	52,190	60,700
Female	425,720	118,870	306,850
Age			
16-19	144,290	13,030	131,260
20-21	38,290	8,290	30,000
22-24	67,630	15,640	51,990
25-29	88,810	34,750	54,070
30-39	130,450	60,420	70,030
40-44	30,130	16,640	13,490
45-54	31,930	17,970	13,960
55-64	5,520	4,310	1,210
65+	1,550	0	1,550
Ethnicity (b)			
Black (Not Hispanic)	164,540	51,880	(b)
Hispanic	140,430	43,850	(b)
White (Not Hispanic)	215,400	66,790	(b)
Other	18,240	8,550	(b)

(a) Includes recipients in foster family homes and institutions.

(b) Ethnicity data should be used cautiously as we were unable to satisfactorily resolve conceptual differences between the sources of the estimates in the two columns shown. We do not recommend deriving ethnicity figures for WIN exempt by subtracting mandatory WIN registrants from total AFDC.

Source: Employment Development Department Estimates.

California

Youth, 16-21 Years Old
Population and Labor Force Status
1981 (Projected)

	Total
Population	2,498,270
Labor Force	1,536,160
Unemployment	228,890
Unemployment Rate	14.9
Statewide Unemployment Rate	6.2

Estimates of unemployment are based on a youth unemployment rate approximately 2.4 times the overall unemployment rate.

Source: EDD estimates.

California

School Enrollment

Fall 1978

	Total	Grades 9-12
Total	4,648,765	1,499,434
Public Schools	4,187,967	1,391,012
Vocational Education	N/A	N/A
Continuation	46,409	46,409
Other Special Education	99,960	31,642
Private Schools	460,798	108,42

Source: Department of Education

Youth, 16-21, Not in School,
Not High School Graduates
By Sex and Race
1981 (Projected)

	Total	Black Not Hisp.	Hispanic	White Not Hisp.	Other
Total	328,200	39,160	107,260	170,880	10,900
Male	169,740	21,890	49,230	93,120	5,500
Female	158,460	17,270	58,030	77,760	5,400

Source: EDD estimates

CALIFORNIA STATE HOSPITAL

INPATIENT POPULATION 1/
1979

	Developmentally Disabled 2/	Mentally Disordered 3/
Agnew-Santa Clara County	947	---
Atascadero-San Luis Obispo County	---	1064
Camarillo-Ventura County	553	898
Fairview-Orange County	1367	---
Metropolitan-Los Angeles County	---	735
Napa-Napa County	392	1396
Lanterman-Los Angeles County 4/	1459	---
Patton-San Bernadino County	292	929
Porterville-Tulare County	1607	---
Sonoma-Sonoma County	1724	---
Stockton-San Joaquin County	603	105
California Total	8944	5127

1/ Includes residents and those out on visits.
2/ One day count as of December 27, 1979.
3/ One day count as of December 31, 1979.
4/ Formerly Pacific, change effective January, 1979.

Source: California State Department of Health Center for Health Statistics.

CALIFORNIA

OFFENDERS

Data is not currently available to make reliable estimates of the number of offenders. However, the California Departments of Justice and Corrections have provided the following data on the number of persons in jail or on active probation or parole.

	1976	1977	1978
Total	N/A	N/A	234,087
Adults	180,443	176,133	180,051
County jails 1/	21,941	20,761	21,355
City jails 1/	1,265	1,196	1,181
County and City Camps	4,995	4,589	4,402
Active adult probation caseload 1/	152,242	149,587	153,113
Superior Court	63,458	61,303	61,371
Lower court	88,784	88,284	91,742
Juveniles	N/A	N/A	54,036
Held in adult facilities 1/	178	132	142
Held in juvenile facilities 2/	N/A	N/A	N/A
Active Juvenile probation caseload 2/	55,859	53,322	53,894

1/ One-day count as of last Thursday in September.

2/ One-day count as of December 31.

Source: California Department of Justice, Bureau of Criminal Statistics
California Department of Corrections.

The following tables contain data on the number of persons on parole in California. A specific breakdown by county of residence is not available. Instead, parolees are arrayed according to the location of their parole supervisors. In most cases, parolees live near their parole office, however, the Redding and Sacramento offices are responsible for large areas.

MALE FELON PAROLE POPULATION
CALIFORNIA ACTIVE PAROLEES

Location	On Parole 6-30-78	Discharged during 78-79	On Parole 6-30-79
State Total	11,369	17,719	9,160
Northern Region Total	1,987	2,827	1,538
Eureka	80	112	46
Fresno	410	598	337
Modesto	240	360	245
Redding	258	342	190
Sacramento	757	1,053	549
Stockton	242	362	171
Coastal Region Total	3,183	5,075	2,651
Alameda	749	1,278	656
Salinas	239	340	179
San Francisco	770	1,405	645
San Jose	570	876	480
San Mateo	246	405	191
Santa Rosa	274	349	253
Walnut Creek	335	422	247
Central Region Total	571	794	493
Bakersfield	231	315	189
Oxnard	108	148	104
San Luis Obispo	158	223	155
Santa Barbara	74	108	45
Southern Region Total	5,628	9,023	4,478
El Centro	45	61	28
Long Beach	323	450	221
Los Angeles	2,445	4,079	1,771
Riverside	277	433	236
San Bernardino	494	831	415
San Diego	532	909	520
San Fernando Valley	854	1,133	664
San Gabriel Valley	262	345	169
Santa Ana	396	782	454

Source: California Department of Corrections

FEMALE FELON PAROLE POPULATION
CALIFORNIA ACTIVE PAROLEES

Location	On Parole 6-30-78	Discharged during 78-79	On Parole 6-30-79
State Total	507	851	481
Northern Region Total	87	126	73
Eureka	3	5	1
Fresno	17	27	19
Modesto	9	16	6
Redding	6	6	9
Sacramento	41	56	27
Stockton	11	16	11
Coastal Region Total	110	184	105
Alameda	37	71	36
Salinas	8	12	7
San Francisco	23	33	27
San Jose	13	20	18
San Mateo	14	22	5
Santa Rosa	4	7	1
Walnut Creek	11	19	11
Central Region Total	20	29	23
Bakersfield	10	13	11
Oxnard	4	5	6
San Luis Obispo	1	6	3
Santa Barbara	5	5	3
Southern Region Total	290	512	280
El Centro	---	1	1
Long Beach	11	25	5
Los Angeles	114	201	117
Riverside	16	24	14
San Bernardino	31	59	32
San Diego	40	72	36
San Fernando Valley	44	59	44
San Gabriel Valley	8	13	3
Santa Ana	26	58	28

Source: California Department of Corrections

SOCIAL and ECONOMIC DATA GLOSSARY

Black, Not Hispanic:
A person having origins in any of the black racial groups of Africa, except those classified as Hispanic (see Hispanic).

Civilian Labor Force:
The sum of total civilian employment and unemployment.

Employment:
The number of people who work at all as paid employees, in their own business, profession, or farm, or who work 15 hours or more during a week as unpaid workers in an enterprise operated by a member of the family, and all those who are not working but who have jobs or businesses from which they are temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they are paid by their employers for the time off, and whether or not they are seeking other jobs.

Family Heads:
One person in each household is designated as the "head"; that is, the person who is regarded as the head by the members of the household. Because our data are based on 1970 census information, the husband of a two-parent household is counted as the head.

Hispanic:
A person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

Offender:
A person under local supervision. For CETA, this category also includes ex-offenders, but we have been unable to obtain information on these people. Definitions of terms used in reference to offenders follow.

Adult:
A person 18 years of age or older at the time of committing a crime.

Discharged:
Legally released from parole.

Felon:
A person convicted of a crime punishable with death or by imprisonment in a state prison.

Juvenile:
A person under the age 18 at the time of committing a crime.

Parolee:
A person under supervision in the community after early release from an institution.

Probation:
A judicial requirement that a person fulfill certain conditions of behavior in lieu of a sentence to confinement but sometimes including a jail sentence.

Other (races); Not Hispanic:
A person not belonging to the White, Black, or Hispanic categories. This category includes Native American, Japanese, Pacific Islanders, Chinese, Filipino, Hawaiian, Korean, Southeast Asian, and Asian Indian.

Poverty Level:
Determined by the Social Security Administration's Poverty Index. The figure is updated annually to reflect increases in the Consumer Price Index.

Public Assistance Recipient:
A member of a family which receives cash welfare payments under federal, State, or local welfare programs. Definitions of terms used in reference to public assistance recipients follow.

Aid to Families with Dependent Children (AFDC):
Public assistance to households with children and for children in institutions.

Children in Foster Family Homes:
Foster home families that receive a cash grant from a government program to care for a designated child who is not related to them.

Children in Institutions:
Children supported in institutions, such as a hospital, by a government program.

Food Stamp Recipient:
A person receiving nonmonetary assistance in the form of coupons that can be exchanged for groceries.

General Home Relief:
Public Assistance to childless families and individuals.

Social Security Recipient:
A person receiving supplementary security income from the federal government due to retirement or disability.

School Enrollment:
Number of students attending grades kinderagarten through the twelfth grade. Does not include enrollment in community or State colleges. Definitions of terms used in reference to school enrollment follow.

Continuation:
Programs designed to meet requirements for graduation from high school of persons not enrolled in the regular academic program.

Other Special Education:
Classes for the physically, mentally or educationally handicapped.

Private Schools:
Those educational institutions not supported by public funds. Many of these schools have religious affiliations.

Public Schools:
Schools supported by local taxes.

Vocational Education:
Training programs for specific occupations.

Unemployment:
The number of persons who do not work, who make specific efforts to find a job, and who are available for work (except for temporary illness). Also included as unemployed are those who are not at work at all, are available for work, and are waiting to be called back to a job from which they have been laid off; or are waiting to report to a new wage or salary job within 30 days.

Unemployment Rate:
Unemployment divided by civilian labor force, expressed as a percentage.

Veteran:
A person who has served but is not now serving in the armed forces of the United States.

Vietnam-Era Veteran:
A person who served between August 4, 1964 and May 8, 1975 but is not now serving in the armed forces of the United States.

White, Not Hispanic:
A person having origins in any of the original peoples of Europe, North Africa, or the Middle East, except those classified as Hispanic (see Hispanic).

APPENDIX

DEFINITION OF TERMS AND CONCEPTS

Civilian Labor Force: The sum of total civilian employment and unemployment.

Total Civilian Employment: The sum of wage and salary employment, private household, self-employed, and unpaid family workers, and those on trade disputes; adjusted to eliminate double counting of persons holding more than one job and to a place of residence basis.

Employed persons comprise (a) all civilians who during the survey week did any work at all as paid employees, or in their own business or profession or on their own farm, or who worked 15 hours or more as unpaid workers in a family enterprise; and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, personal reasons, whether or not they were paid for the time off.

Total Unemployment: The sum of persons receiving unemployment insurance benefits, persons who have exhausted their unemployment insurance benefits and are still unemployed, persons who have delayed filing for benefits but who are not working, unemployed persons who applied for benefits but were not qualified to receive them, workers separated from industries not covered by unemployment insurance, and unemployed persons newly entering or re-entering the labor force.

Unemployed persons comprise all civilians who did not work during the survey week, who made specific efforts to find a job within the past four weeks, and who were available for work (except for temporary illness) during the survey week. Also included as unemployed are those who did not work at all, but were available for work and (a) were waiting to be recalled to a job from which they had been laid off for a specific time; or (b) had a new job to go to within thirty days.

Unemployment Rate: Total unemployment divided by total civilian labor force and expressed as a percentage is referred to as the "unadjusted unemployment rate".

A "seasonally adjusted unemployment rate" is computed for the State. The seasonal adjustment eliminates the influence of regularly recurring seasonal fluctuations which can be ascribed to weather, crop-growing cycles, holidays, vacations, regular industry model changeover periods, etc., and therefore, more clearly shows the underlying basic trend of unemployment.

Wage and Salary Employment: The sum of persons on establishment payrolls who receive pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid volunteer or family workers, and domestic workers in households.

Labor Market Area: An economically integrated geographic unit that consists of a central city or cities, and the surrounding territory normal commuting distance. It typically includes one or more counties. This term is synonymous with the term "SMSA" in the areas designated as SMSA's.

Standard Metropolitan Statistical Areas (SMSA) is a term applied by the U.S. Bureau of the Budget to counties or aggregations of counties that have one or more central core cities and that meet specified criteria of population, population density, commute patterns, and social and economic integration.

Current Population Survey (CPS): A monthly household survey of a sample of the civilian noninstitutional population of the United States. The survey provides monthly statistics on employment, unemployment and related subjects which are analyzed and published by the Bureau of Labor Statistics.

Dictionary of Occupational Titles (DOT): A system of occupational classification which is published by the U.S. Department of Labor. It presents a numerical classification structure by means of which occupations are arranged according to job content, tasks or activities performed, and inter-relationships with other occupations.

1970 Census Occupational Classification: A system of occupational classification developed by the Bureau of the Census for the 1970 Census of Population. This system is used when projections of employment by occupation are made.

Expanded definitions of these and other labor market terms can be found in the Glossary of Labor Market Terminology, available from EDD, Employment Data and Research.

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LABOR MARKET INFORMATION PRODUCTS, 1979

The Employment Data and Research Division (ED&R) of the Employment Development Department is responsible for a variety of labor market information products. The products are described below. The matrix on the following pages shows which products are prepared for each area within the State. These reports are available upon request from the appropriate Labor Market Information Groups as shown on the preceding page. The Statewide reports are available through the Systems and Research Section, ED&R, Employment Development Department, 800 Capitol Mall, Sacramento.

1. The Annual Planning Information Report is published annually for the State, all SMSA's, CETA Prime Sponsors and counties. It provides data required for manpower planning purposes and is used by CETA Prime Sponsors. Featured in the report are labor force data on employment and unemployment trends, occupational supply and demand data, population characteristics and national, State and local economic trends.

2. Labor Supply and Demand Information is published quarterly for the State, SMSA's, counties and CETA Prime Sponsors. It provides a narrative analysis of supply and demand for selected occupations for the upcoming quarter.

3. The Industry and Occupation Employment Projections Report, is published every five years for California, SMSA's and counties or groups of counties. The reports shows the expected change in the number of jobs in an area both by industry and by occupation.

4. The Monthly Labor Market Bulletin is published for California as a whole, all SMSA's and many of the larger counties. It provides a brief narrative and statistical summary of current and anticipated labor market trends including the current unemployment rates.

5. The Quarterly Labor Market Newsletter covers the smaller labor market areas of the State which are served by the CETA Balance-of-State Prime Sponsor. The newsletter provides industry and occupational outlook information by county and tables on labor force, employment by industry, and unemployment.

LABOR MARKET INFORMATION REPORTS

AREA	Annual Planning Information	Labor Supply/ Demand	Ind./Occ. Employment Projections	Mo. Labor Market Bulletin	Qtr. Labor Market Newsletter
California	X	X	X	X	
Anaheim-Santa Ana-Garden Grove (Orange)*	X	X	X	X	
Bakersfield* (Kern)	X	X	X	X	
Fresno* (Fresno)	X	X	X	X	
Los Angeles-Long Beach (Los Angeles)	X	X	X	X	
Glendale	X				
Long Beach	X				
Los Angeles	X				
Pasasena	X				
Torrance	X				
Los Angeles (Balance of County)	X				
Modesto* (Stanislaus)	X	X	X	X	
Oxnard-Simi Valley-Ventura (Ventura)	X	X	X	X	
Riverside-San Bernardino-Ontario* (San Bernardino) (Riverside)	X	X	X	X	
Sacramento SMSA	X	X	X	X	
Sacramento	X				

* Counties coterminous with Prime Sponsor Areas.

LABOR MARKET INFORMATION REPORTS

AREA	Annual Planning Information	Labor Supply/ Demand	Ind./Occ. Employment Projections	Mo. Labor Market Bulletin	Qtr. Labor Market Newsletter
Yolo	X				
Placer	X				
Salinas-Seaside-Monterey (Monterey)	X	X	X	X	
San Diego (San Diego)	X	X	X	X	
San Francisco-Oakland SMSA	X	X	X	X	
Alameda County Training & Employment	X				
Oakland	X				
Berkeley	X				
Alameda County		X			
Contra Costa County		X			
Richmond	X				
Balance of Contra Costa County	X				
Marin County*	X	X			
San Francisco Co.*	X	X			
San Mateo County*	X	X			
San Jose SMSA (Santa Clara)	X	X	X	X	
Santa Clara Valley Employment & Training Board	X				
Sunnyvale	X				

* Counties coterminous with Prime Sponsor Areas.

LABOR MARKET INFORMATION REPORTS

AREA	Annual Planning Information	Labor Supply/ Demand	Ind./Occ. Employment Projections	Mo. Labor Market Bulletin	Qtr. Labor Market Newsletter
Santa Cruz* (Santa Cruz)	X	X	X	X	
Santa Rosa* (Sonoma)	X	X	X	X	
Santa Barbara-* Santa Maria-Lompoc (Santa Barbara)	X	X	X	X	
Stockton SMSA* (San Joaquin)	X	X	X	X	
Vallejo-Fairfield-Napa SMSA (Napa & Solano)	X	X	X	X	
Napa County	X				
Solano County	X				
PRIME SPONSOR COUNTIES:					
Butte	X	X	X	X	
Humboldt	X	X	X	X	
Imperial	X	X	X	X	
Merced	X	X	X	X	
San Luis Obispo	X	X	X	X	
Shasta	X	X	X	X	
Tulare	X	X	X	X	
BALANCE OF STATE COUNTIES:					
Alpine					
Amador	X				X
Calaveras	X				X

* Counties coterminous with Prime Sponsor Areas.

LABOR MARKET INFORMATION REPORTS

AREA	Annual Planning Information	Labor Supply/ Demand	Ind./Occ. Employment Projections	Mo. Labor Market Bulletin	Qtr. Labor Market Newsletter
Colusa	X		X		X
Del Norte	X		X		X
El Dorado	X				X
Glenn	X		X		X
Inyo	X			(Quarterly)	
Kings	X		X	(Quarterly)	
Lake	X				X
Lassen	X		X		X
Madera	X				X
Mariposa	X				X
Modoc	X		X		X
Mono	X			(Quarterly)	
Nevada	X				X
Plumas	X		X		X
San Benito	X				X
Sierra	X				X
Siskiyou	X		X		X
Sutter	X		X		X
Tehama	X		X		X
Trinity	X		X		X
Tuolumne	X				X
Yuba	(Combined with Sutter)		X		(Combined with Sutter)

TECHNICAL APPENDIX

The Current Unemployment Estimating Procedure

Effective January 1978 monthly labor statistics (estimates of labor force, civilian employment, unemployment and unemployment rate) for the State of California and the Los Angeles-Long Beach Standard Metropolitan Statistical Area (SMSA) are derived and published by the Bureau of Labor Statistics (BLS) from data developed through the national Current Population Survey (CPS). This change results in a modification of the estimating procedure for other areas as well.

The CPS survey is a monthly nationwide sampling of about 55,000 households. Occupants of selected households are interviewed during the week including the 12th day of the month. On the basis of their replies, the national labor statistics are generated monthly. About 5,600 households of the national survey are interviewed in California every month. In the Los Angeles-Long Beach SMSA, the number is about 1,700. The remainder are distributed throughout the other areas of the State, basically in proportion to population share. The State and Los Angeles are the only areas for which statistics are produced in this manner since these are the only areas for which the sample size is large enough to generate monthly data of statistical quality sufficient to meet the BLS standards of reliability.

Unemployment estimates for all other SMSA's, counties and areas for which monthly data are produced are based upon the "70-Step Handbook" method and adjusted for additivity to the difference between the State total and the total for the Los Angeles-Long Beach SMSA. Employment estimates for these areas are produced as in the past--through a monthly survey of employers and are revised or "benchmarked" annually to the Unemployment Insurance (UI) payroll tax records and administrative records. Estimates are adjusted for additivity in the same manner as unemployment.

This new procedure has produced area unemployment rate estimates which, in some cases, differ substantially from estimates derived under the old methodology. This applies particularly to the five largest SMSAs excluding Los Angeles-Long Beach, which were previously linked to their own CPS series. Historical data for all areas has been reconstructed according to the new procedure.

The "Handbook" Method

The "Handbook" methodology was developed in 1960 by the then Bureau of Employment Security, now the Employment and Training Administration of the Department of Labor. It is primarily based on counts of UI claims that are filed during the same week as the CPS survey. Detailed procedures are also used to make estimates for those who failed to file or who lost or exhausted their UI entitlement and those not covered by UI. After working through the 70 steps of the methodology, a total estimate of unemployment is achieved. When this unemployment total is added to an estimate of the number employed, the sum of the two provides the estimate of the labor force. The unemployment rate is the result of dividing unemployment by the labor force; it is therefore, an estimate of the percentage of the civilian labor force represented by those persons who are unemployed and actively seeking a job. This is a condensed description of a very complex methodology. For a complete description, consult the Handbook on Estimating Unemployment, Bulletin #R-185, U.S. Department of Labor.

The History of Methodology Development

Between 1960 and 1973, unemployment estimates were produced entirely by the "Handbook" methodology. Beginning in 1974, the Bureau of Labor Statistics introduced a process of reconciling the "Handbook" method to the independently derived CPS data for the states and major metropolitan labor market areas. This process was an attempt to adjust monthly "Handbook" estimates for states and substate areas to bring these estimates into line with CPS figures. The CPS data were not published monthly, but were aggregated over the course of a year to reduce the sampling error and serve as a "benchmark" by which to adjust the "Handbook" estimates. This process of linking, or benchmarking, "Handbook" estimates to the CPS was performed for the State and its six largest areas: Los Angeles-Long Beach, San Francisco-Oakland, Anaheim-Santa Ana-Garden Grove, San Diego, San Jose, and Riverside-San Bernardino-Ontario. Under the new procedure, the linking of Handbook estimates to CPS is no longer performed. Employment and unemployment estimates are produced through the basic "Handbook" method with additivity adjustments. Unemployment estimates for all other SMSAs and counties were based solely on the "Handbook" process, with proportionate adjustments made to reconcile the sum of these areas in such a manner that when added to the sum of the six CPS-adjusted areas the result would equal the State total.

DISAGGREGATION METHODOLOGY

Labor statistics for individual counties of multi-county SMSA's are prepared using the BLS "population-based employment disaggregation" method in conjunction with the "claims-based unemployment disaggregation" method. The procedure uses annual total population estimates to disaggregate multi-county labor market employment data to the county level. Claims data by county of residence and 1970 census population data are used to allocate multi-county labor market unemployment data to the county level. The "census share" method is used to allocate employment and unemployment below the county level in both multi-county labor market areas and in single county labor market areas. The "census share" method uses the proportions of employment and unemployment that existed among the cities and other sub-areas within a county, in the 1970 census, applied to current county estimates to estimate the sub-county levels of employment and unemployment.

ESTIMATED NUMBER OF WAGE AND SALARY WORKERS IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY
CALIFORNIA ANNUAL AVERAGES, 1972-1979(A)
(AMOUNT IN THOUSANDS)

INDUSTRY	SIC CODE	1972	1973	1974	1975	1976	1977	1978	1979
TOTAL		7209.9	7621.9	7834.3	7847.2	8153.6	8598.0	9197.1	9637.8
MINING	10-14	29.2	30.5	32.7	33.9	34.7	35.6	37.1	39.3
METAL MINING	10	1.6	2.0	2.4	2.2	2.1	2.2	2.2	2.3
FUEL MINING	12-13	19.7	20.5	22.7	24.1	25.0	26.1	27.4	29.3
NONMETAL MINERALS (EXC FUELS)	14	7.8	8.1	7.7	7.6	7.5	7.2	7.5	7.7
CONSTRUCTION(B)	15-17	320.7	344.8	334.0	303.3	317.6	366.1	417.5	460.6
GENERAL BUILDING CONTRACTORS	15	91.5	98.7	91.3	80.0	85.2	100.6	116.4	128.5
HEAVY CONTRUCTION CONTRACTORS	16	66.1	68.2	73.3	73.4	69.5	73.3	82.3	86.7
SPECIAL TRADE CONTRACTORS	17	163.2	177.9	169.4	150.0	162.9	192.1	218.8	245.5
MANUFACTURING	20-39	1536.0	1653.5	1694.1	1586.9	1650.9	1728.3	1875.2	2000.6
NONDURABLE GOODS	20-23,26-31	523.6	550.1	562.1	544.4	569.0	591.9	623.8	642.8
DURABLE GOODS	24-25,32-39	1012.5	1103.4	1132.0	1042.5	1081.9	1136.4	1251.4	1357.9
FOOD AND KINDRED PRODUCTS	20	167.7	170.1	175.8	172.8	175.1	178.8	182.3	185.1
CANNED, CURED, FROZEN SEA FOODS	2091-2	7.5	7.6	8.7	7.6	8.9	9.5	10.1	9.7
MEAT PRODUCTS	201	19.4	19.8	21.2	21.0	20.6	20.1	20.2	20.9
DAIRY PRODUCTS	202	15.0	14.5	14.5	13.5	12.8	13.1	12.7	13.3
PRESERVED FRUITS & VEGETABLES	203	51.2	51.9	55.1	55.1	55.1	55.6	56.0	57.1
GRAIN MILL PRODUCTS	204	7.8	7.9	7.9	7.6	7.7	8.2	8.3	8.3
BAKERY PRODUCTS	205	19.2	19.3	18.4	17.9	18.3	18.5	18.8	18.9
BEVERAGES	208	18.5	19.1	19.7	20.3	20.9	21.6	23.6	23.4
OTHER FOOD AND KINDRED PRODUCTS	20 OTHER	29.3	30.1	30.3	29.8	30.8	32.3	32.7	33.5
TEXTILE MILL PRODUCTS	22	13.2	15.4	15.1	13.9	14.8	14.8	15.8	16.1
KNITTING MILLS	225	3.5	4.1	3.9	3.6	3.3	3.1	3.0	3.0
FLOOD COVERING MILLS	227	4.9	5.5	5.5	4.8	5.4	5.6	6.1	6.2
OTHER TEXTILE MILLS	22 OTHER	4.8	5.8	5.8	5.5	6.1	6.1	6.7	6.9
APPAREL AND OTHER TEXTILE PRODUCTS	23	81.7	89.8	91.5	91.6	99.8	101.3	109.6	111.9
MEN'S AND BOYS' FURNISHINGS	232	12.0	13.0	13.7	13.6	14.4	13.8	14.1	14.7
WOMEN'S AND MISSES' OUTERWEAR	233	44.1	49.6	51.2	52.7	58.2	60.4	67.4	67.9
WOMEN'S AND CHILDREN'S UNDERGARMENTS	234	4.2	4.1	4.2	3.9	4.3	4.0	3.9	3.8
CHILDREN'S OUTERWEAR	236	1.7	1.8	1.7	1.8	1.8	1.6	1.4	1.5
OTHER APPAREL AND TEXTILE PRODUCTS	23 OTHER	19.7	21.3	20.7	19.5	21.1	21.5	22.8	24.0
PAPER AND ALLIED PRODUCTS	26	36.2	36.2	36.9	34.9	36.8	37.4	37.7	38.7
MISC CONVERTED PAPER PRODUCTS	264	12.5	12.6	13.2	12.7	13.2	13.5	13.9	14.5
PAPERBOARD CONTAINERS AND BOXES	265	14.9	15.3	15.1	14.2	15.5	16.1	16.5	17.3
PULP, PAPER & PAPERBOARD MILLS	26 OTHER	8.7	8.4	8.6	8.0	8.1	7.9	7.3	6.9
PRINTING AND PUBLISHING	27	91.3	96.2	97.6	94.6	98.0	103.3	112.4	117.9
NEWSPAPERS	271	34.8	35.7	35.0	33.9	35.2	36.8	39.6	41.4
COMMERCIAL PRINTING	275	32.8	34.9	35.8	35.6	37.8	40.1	43.9	47.0
OTHER PRINTING AND PUBLISHING	27 OTHER	23.6	25.6	26.8	25.1	25.1	26.3	28.8	29.5

ESTIMATED NUMBER OF WAGE AND SALARY WORKERS IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY
CALIFORNIA ANNUAL AVERAGES, 1972-1979(A)
(AMOUNT IN THOUSANDS)

INDUSTRY	SIC CODE	1972	1973	1974	1975	1976	1977	1978	1979
CHEMICALS AND ALLIED PRODUCTS	28	52.4	55.2	57.0	55.3	57.8	61.0	62.9	65.2
INDUSTRIAL INORGANIC CHEMICALS	281	5.1	5.2	5.6	5.8	6.2	7.1	7.1	7.0
PLASTICS MATERIALS AND SYNTHETICS	282	3.1	3.1	3.3	3.0	3.3	3.8	3.7	4.1
DRUGS	283	10.5	11.5	12.4	11.9	12.5	13.7	14.8	16.5
SOAP, CLEANERS, TOILET GOODS	284	11.4	12.0	12.4	11.7	12.2	13.3	13.5	13.3
PAINTS AND ALLIED PRODUCTS	285	7.7	7.7	7.5	7.1	7.6	7.8	7.9	8.3
AGRICULTURAL CHEMICALS	287	5.5	5.8	6.1	6.3	6.3	5.4	5.1	5.3
OTHER CHEMICALS AND ALLIED PRODUCTS	28 OTHER	9.1	9.9	9.8	9.6	9.7	10.0	10.8	10.6
PETROLEUM AND COAL PRODUCTS	29	25.7	25.5	25.6	25.4	25.3	25.5	27.0	27.5
PETROLEUM REFINING	291	22.5	22.6	22.7	22.7	22.3	22.6	23.8	24.1
OTHER PETROLEUM AND COAL PRODUCTS	29 OTHER	3.1	2.9	2.9	2.8	2.9	2.9	3.2	3.4
RUBBER AND PLASTICS PRODUCTS	30	48.5	53.6	53.9	47.0	51.4	59.0	63.8	67.9
TIRES AND INNER TUBES	301	7.7	7.9	8.2	6.4	4.9	6.7	5.3	4.8
FOOTWEAR AND FABRICATED PRODUCTS NEC	302,6	7.6	8.6	9.6	8.9	9.6	10.3	10.4	10.7
MISCELLANEOUS PLASTICS PRODUCTS	307	32.0	35.9	35.3	30.8	36.1	41.1	47.2	51.4
OTHER RUBBER AND PLASTICS PRODUCTS, NEC	30 OTHER	1.1	1.2	0.9	0.9	0.8	1.0	0.9	1.1
LEATHER AND LEATHER PRODUCTS	31	7.1	8.1	8.6	8.9	10.2	10.8	12.4	12.6
LUMBER AND WOOD PRODUCTS	24	64.3	66.7	60.2	53.4	60.1	66.4	69.5	68.5
LOGGING CAMPS, SAWMILLS, PLANING MILLS	241-2	25.0	25.1	24.5	22.9	25.6	26.2	26.5	26.7
MILLWORK, PLYWOOD, STRUCTURAL MEMBERS	243	14.7	15.4	13.3	11.6	13.5	15.5	17.2	17.8
WOODEN CONTAINERS	244	5.0	5.5	5.5	4.3	4.7	4.8	4.4	4.7
OTHER LUMBER AND WOOD PRODUCTS	24 OTHER	19.7	20.7	16.8	14.6	16.3	19.9	21.4	19.3
FURNITURE AND FIXTURES	25	40.2	46.0	44.7	39.7	44.3	49.3	55.0	56.9
HOUSEHOLD FURNITURE	251	28.4	32.0	30.5	27.2	30.5	32.9	35.9	37.2
PARTITION AND FIXTURES	254	4.9	5.5	5.4	4.7	4.9	5.7	6.2	6.7
OTHER FURNITURE AND FIXTURES	25 OTHER	7.0	8.5	8.8	7.9	8.9	10.7	12.9	12.9
STONE, CLAY, AND GLASS PRODUCTS	32	53.2	55.0	54.6	50.0	51.6	53.7	57.2	59.5
GLASS AND GLASS PRODUCTS	321-3	14.2	15.0	14.7	14.5	15.5	15.9	17.5	17.6
CEMENT, HYDRAULIC	324	3.7	3.7	3.4	3.1	3.1	3.2	3.4	3.4
STRUCTURAL CLAY PRODUCTS	325	4.3	4.2	4.2	3.6	3.7	3.8	3.9	3.9
POTTERY AND RELATED PRODUCTS	326	5.3	6.1	6.8	6.3	6.8	6.6	6.5	6.4
CONCRETE, GYPSUM, PLASTER PRODUCTS	327	16.1	15.6	14.8	12.8	12.7	14.1	15.8	17.4
OTHER STONE, CLAY, AND GLASS PRODUCTS	32 OTHER	9.7	10.5	10.8	9.8	9.7	10.1	10.2	10.8
PRIMARY METAL INDUSTRIES	33	53.2	57.9	59.8	54.1	52.8	54.3	57.3	59.6
BLAST FURNACE AND BASIC STEEL PRODUCTS	331	20.9	23.5	23.9	22.2	20.9	20.6	20.3	20.7
IRON AND STEEL FOUNDRIES	332	7.1	7.7	8.6	8.0	7.5	7.9	8.7	9.0
NONFERROUS ROLLING AND DRAWING	335	14.8	15.1	14.8	13.1	12.7	13.6	14.7	15.3
NONFERROUS FOUNDRIES	336	7.1	8.3	8.8	7.4	8.2	8.6	9.5	10.3
OTHER PRIMARY METALS	33 OTHER	3.2	3.4	3.8	3.5	3.5	3.7	4.1	4.3

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CALIFORNIA ANNUAL AVERAGES, 1972-1979(A)
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INDUSTRY	SIC CODE	1972	1973	1974	1975	1976	1977	1978	1979
FABRICATED METAL PRODUCTS	34	122.6	132.6	134.9	124.4	129.4	135.4	147.5	157.5
CANS AND SHIPPING CONTAINERS	341	12.1	12.1	12.1	11.6	11.3	11.0	10.9	11.0
CUTLERY, HAND TOOLS, HARDWARE	342	15.8	17.5	16.7	14.4	15.9	16.8	17.6	18.9
PLUMBING AND HEATING (EXC ELECTRIC)	343	6.3	6.7	6.5	5.4	6.1	7.1	7.5	8.2
FABRICATED STRUCTURAL PRODUCTS	344	39.7	42.7	43.3	42.0	43.2	44.7	49.1	51.3
SCREW MACHINE PRODUCTS, BOLTS, ETC	345	8.7	9.7	10.6	9.2	8.8	9.3	11.3	13.2
FORGINGS AND STAMPINGS	346	11.0	12.1	12.5	11.4	12.1	13.0	14.6	14.7
METAL SERVICES NEC	347	12.8	14.7	15.2	13.8	15.2	16.0	18.3	20.5
OTHER FABRICATED METAL PRODUCTS	34 OTHER	16.3	17.0	18.0	16.7	17.0	17.4	18.2	19.8
MACHINERY EXC ELECTRICAL	35	140.3	162.8	180.4	168.4	169.8	177.6	202.8	226.2
FARM AND GARDEN	352	2.9	3.6	3.8	3.6	4.1	4.4	5.0	5.6
CONSTRUCTION AND RELATED	353	13.8	15.9	17.6	16.8	17.7	18.0	19.6	21.4
METALWORKING	354	14.8	17.6	18.3	16.2	16.4	16.7	18.7	20.3
SPECIAL INDUSTRY	355	8.9	9.9	11.0	10.4	10.4	10.3	11.1	11.6
GENERAL INDUSTRY	356	15.3	16.5	18.1	17.7	17.7	17.8	19.2	20.5
OFFICE AND COMPUTING MACHINES	357	52.1	61.4	69.7	64.3	62.3	67.0	80.1	93.0
REFRIGERATION AND SERVICE INDUSTRY	358	5.0	5.6	5.4	4.9	5.4	6.3	7.2	7.4
OTHER MACHINERY (EXC ELECTRICAL)	35 OTHER	27.6	32.3	36.6	35.7	35.8	37.2	42.0	46.4
ELECTRICAL AND ELECTRONIC EQUIPMENT	36	202.5	229.6	242.1	224.0	237.7	251.8	284.6	314.7
ELECTRIC DISTRIBUTION EQUIPMENT	361	7.6	8.8	9.7	8.9	8.5	8.6	8.7	8.6
INDUSTRIAL APPARATUS	362	9.0	9.9	10.9	10.8	11.4	12.1	13.7	14.2
HOUSEHOLD APPLIANCES	363	7.2	7.3	6.1	4.3	5.3	5.5	5.6	5.7
LIGHTING AND WIRING EQUIPMENT	364	16.2	18.5	18.0	15.5	16.2	17.7	20.5	23.3
RADIO AND TV RECEIVING EQUIPMENT	365	15.0	15.5	15.8	14.9	16.1	16.6	17.8	18.1
COMMUNICATION EQUIPMENT	366	90.6	95.3	97.6	98.7	99.5	102.1	113.2	123.4
ELECTRONIC COMPONENTS AND ACCESSORIES	367	52.0	68.9	78.5	65.7	74.8	82.3	97.3	113.3
MISC ELECTRICAL EQUIPMENT & SUPPLIES	369	4.9	5.4	5.5	5.3	6.1	6.9	7.8	8.1
TRANSPORTATION EQUIPMENT	37	250.8	257.6	255.0	233.8	232.4	237.9	254.2	280.1
MOTOR VEHICLES AND EQUIPMENT	371	38.2	43.0	39.3	30.8	39.6	44.5	49.6	50.2
AIRCRAFT AND PARTS	372	135.4	135.6	134.9	121.3	108.5	109.4	117.5	141.3
SHIP AND BOAT BUILDING AND REPAIRING	373	14.8	16.5	19.7	19.9	21.2	21.2	22.3	22.5
GUIDED MISSILES, SPACE VEHICLES, PARTS	376	50.7	48.6	49.7	50.0	47.6	45.4	46.7	51.5
OTHER TRANSPORTATION EQUIPMENT	37 OTHER	11.7	13.9	11.4	11.8	15.6	17.4	18.1	14.6
INSTRUMENTS AND RELATED PRODUCTS	38	52.2	60.6	65.7	61.9	67.5	71.6	80.4	91.2
MEASURING AND CONTROLLING DEVICES	382	25.1	30.5	32.7	30.2	32.5	33.5	37.4	41.8
OTHER INSTRUMENTS AND RELATED PRODUCTS	38 OTHER	27.1	30.0	33.1	31.7	34.9	38.1	43.0	49.4
MISC MANUFACTURING INDUSTRIES	39	33.1	34.7	34.5	32.8	36.4	38.4	43.1	43.7
TOYS AND SPORTING GOODS	394	13.5	14.2	13.9	13.3	14.8	15.1	16.2	16.3
OTHER MISC MANUFACTURING INDUSTRIES	39 OTHER	19.6	20.5	20.6	19.5	21.5	23.2	27.0	27.5

ESTIMATED NUMBER OF WAGE AND SALARY WORKERS IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY
CALIFORNIA ANNUAL AVERAGES, 1972-1979(A)
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INDUSTRY	SIC CODE	1972	1973	1974	1975	1976	1977	1978	1979
TRANSPORTATION AND PUBLIC UTILITIES	40-49	454.1	467.0	470.7	458.1	463.9	476.5	506.5	531.6
TRANSPORTATION	40-47	252.5	261.9	265.2	255.3	261.7	270.3	289.0	300.2
RAILROAD	40	40.2	38.8	37.9	34.4	32.9	31.8	32.0	32.1
TRUCKING AND WAREHOUSING	42	91.9	97.3	98.7	93.8	98.5	104.8	113.7	120.1
OTHER TRANSPORTATION	OTHER	120.5	125.8	128.6	127.2	130.4	133.8	143.3	148.0
COMMUNICATION (EXCL US POSTAL SERVICE)	48	138.2	139.1	139.9	139.0	139.5	142.4	149.9	162.2
ELECTRIC, GAS AND SANITARY SERVICES	49	63.4	65.9	65.7	63.8	62.7	63.8	67.6	69.2
WHOLESALE AND RETAIL TRADE	50-59	1608.6	1703.2	1751.9	1786.3	1875.6	1982.4	2126.0	2219.9
WHOLESALE TRADE	50-51	409.6	441.3	460.6	465.9	485.3	507.5	534.3	562.4
RETAIL TRADE	52-59	1199.0	1261.9	1291.4	1320.4	1390.2	1474.9	1591.7	1657.5
GENERAL MERCHANDISE	53	206.6	212.2	214.0	208.8	215.1	224.7	235.2	234.9
FOOD STORES	54	169.1	174.2	188.3	196.7	201.5	210.8	223.7	236.2
OTHER RETAIL TRADE	OTHER	823.3	875.4	889.1	915.0	973.6	1039.3	1132.8	1186.4
FINANCE, INSURANCE AND REAL ESTATE	60-67	409.3	431.6	444.8	446.4	468.7	505.4	553.2	591.5
FINANCE	60-62	189.6	199.6	206.7	209.1	220.6	235.8	258.4	278.8
INSURANCE CARRIERS, AGENTS AND BROKERS	63-64	132.2	137.7	140.2	139.6	145.4	155.3	166.1	174.4
REAL ESTATE	65	79.7	85.5	88.1	87.8	92.6	104.1	117.8	126.0
COMB, HOLDING & OTHER INVESTMENT COS.	66-67	7.8	8.8	9.8	10.0	10.1	10.2	10.9	12.3
SERVICES	70-89	1359.4	1466.5	1520.1	1561.7	1647.3	1764.7	1931.3	2065.5
HOTELS AND OTHER LODGING PLACES	70	82.1	87.6	87.1	89.5	93.7	99.5	106.5	109.5
PERSONAL	72	91.6	92.3	90.3	88.3	90.1	93.5	98.0	100.0
BUSINESS	73	232.5	254.4	268.0	275.8	299.5	333.3	382.8	428.4
AUTO AND MISC REPAIR	75-76	77.9	86.2	89.0	89.8	97.3	107.8	124.2	132.4
MOTION PICTURES	78	51.6	55.3	55.6	57.0	60.8	65.8	66.8	76.9
AMUSEMENT AND RECREATION, NEC	79	62.0	68.1	70.2	72.9	76.9	80.7	87.5	88.5
HEALTH	80	354.7	385.8	409.6	428.8	446.3	471.2	502.7	528.0
OTHER SERVICES	81-89	407.0	436.7	450.4	459.5	482.7	513.0	562.8	601.8
GOVERNMENT(C)		1492.7	1524.8	1586.0	1670.6	1695.0	1739.0	1750.4	1728.8
FEDERAL		316.2	311.5	320.4	323.2	316.1	314.7	318.6	321.0
STATE AND LOCAL		1176.5	1213.3	1265.6	1347.4	1378.9	1424.3	1431.7	1407.8
COUNTY		197.5	203.9	211.6	228.3	227.1	228.6	232.5	226.0
CITY(D)		172.9	175.8	178.3	195.1	194.6	198.9	200.2	189.8
EDUCATION(E)		629.9	650.4	684.9	721.7	749.7	780.4	775.1	769.4
OTHER STATE AND LOCAL		176.2	183.2	190.8	202.4	207.6	216.4	223.9	222.5

ESTIMATED AGRICULTURAL WAGE AND SALARY EMPLOYMENT 1972-79(1)

AGRICULTURAL WAGE AND SALARY	01-09	268.1	288.9	308.1	315.7	323.5	314.7	323.9	328.8
AGRICULTURAL PRODUCTION	01-02	208.3	222.4	236.9	243.7	248.2	241.7	245.1	249.0
AG SERVICES, FORESTRY & FISHING(2)	07-09	59.8	66.6	71.2	72.0	75.3	72.9	78.9	79.7

(1) EMPLOYMENT REPORTED BY PLACE OF WORK. DOES NOT INCLUDE FARMERS AND UNPAID FAMILY WORKERS.
(2) AG SERVICES, FORESTRY AND FISHING--DEFINITION CHANGED TO EXCLUDE VETERINARY, OTHER ANIMAL, LANDSCAPE AND HOTRICULTURAL SERVICES (SIC 074,075,078).

ESTIMATED NUMBER OF WAGE AND SALARY WORKERS IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY
CALIFORNIA 1979(A)
(AMOUNT IN THOUSANDS)

INDUSTRY	SIC CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
TOTAL		9380.4	9412.2	9521.9	9541.7	9623.9	9707.0	9602.5	9637.0	9750.9	9772.1	9816.5	9886.9	9637.8
MINING	10-14	37.6	37.8	38.0	38.7	39.0	39.8	40.0	40.2	40.1	39.9	39.9	40.0	39.3
METAL MINING	10	2.1	2.1	2.1	2.2	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.3
FUEL MINING	12-13	28.2	28.4	28.6	29.0	29.1	29.6	29.8	30.0	29.7	29.6	29.5	29.7	29.3
NONMETAL MINERALS (EXC FUELS)	14	7.3	7.3	7.3	7.5	7.6	7.8	7.8	7.8	8.0	7.9	7.9	7.8	7.7
CONSTRUCTION(B)	15-17	417.6	422.7	435.1	445.7	458.2	468.4	474.1	482.5	486.6	485.0	477.8	473.8	460.6
GENERAL BUILDING CONTRACTORS	15	116.1	116.2	119.5	123.5	127.3	131.4	133.1	136.1	138.1	136.1	132.5	131.5	128.5
HEAVY CONTRUCTION CONTRACTORS	16	77.2	80.2	82.9	84.9	87.0	87.9	88.9	89.8	90.9	91.3	90.0	89.0	86.7
SPECIAL TRADE CONTRACTORS	17	224.3	226.3	232.7	237.3	243.9	249.1	252.1	256.6	257.6	257.6	255.3	253.3	245.5
MANUFACTURING	20-39	1932.8	1940.7	1971.2	1970.8	1984.9	2004.4	2018.0	2049.3	2057.3	2034.8	2022.3	2021.0	2000.6
NONDURABLE GOODS 20-23	26-31	619.0	619.6	633.9	629.3	633.3	639.3	650.6	682.7	681.5	652.6	638.4	632.9	642.8
DURABLE GOODS 24-25	32-39	1313.8	1321.1	1337.3	1341.5	1351.6	1365.1	1367.4	1366.6	1375.8	1382.2	1383.9	1388.1	1357.9
FOOD AND KINDRED PRODUCTS	20	167.8	164.5	172.9	173.3	174.5	177.6	192.3	225.3	225.2	194.9	178.6	173.8	185.1
CAN, CURED & FROZEN SEA FOOD	2091-2	10.3	9.1	9.7	9.8	9.6	9.7	9.8	10.1	8.9	9.9	9.5	9.8	9.7
MEAT PRODUCTS	201	19.6	19.3	19.3	20.2	20.6	21.4	21.7	21.8	21.8	21.8	22.0	21.6	20.9
DAIRY PRODUCTS	202	13.2	13.2	13.3	13.3	13.3	13.4	13.4	13.5	13.5	12.9	13.0	13.4	13.3
PRESERVED FRUITS & VEGETABLE	203	42.5	41.4	46.9	47.0	46.9	48.6	63.8	97.3	97.1	63.0	47.1	43.5	57.1
GRAIN MILL PRODUCTS	204	8.4	8.4	8.7	8.4	8.5	8.3	8.3	8.2	7.2	8.4	8.5	8.4	8.3
BAKERY PRODUCTS	205	18.9	18.7	19.0	18.9	19.0	18.9	18.8	18.7	18.9	19.0	18.9	19.0	18.9
BEVERAGES	208	22.7	22.5	22.7	23.0	23.3	23.8	23.5	23.7	24.5	24.5	23.6	23.3	23.4
OTHER FOOD AND KINDRED PRODS	20 OTR	32.2	31.9	33.3	32.7	33.3	33.5	33.0	32.0	33.3	35.4	36.0	34.8	33.5
TEXTILE MILL PRODUCTS	22	16.4	16.1	16.3	15.9	15.8	15.8	16.0	15.9	16.2	16.3	16.0	15.9	16.1
KNITTING MILLS	225	3.0	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0
FLOOR COVERING MILLS	227	6.4	6.3	6.4	6.3	6.2	6.2	6.1	6.2	6.2	6.2	6.1	6.0	6.2
OTHER TEXTILE MILLS	22 OTR	7.0	6.9	7.0	6.7	6.7	6.7	7.0	6.7	7.0	7.1	6.9	6.9	6.9
APPAREL & OTHER TEXTILE PRODS	23	111.1	113.0	114.9	111.9	112.2	112.4	110.0	110.5	110.9	111.8	112.3	112.1	111.9
MEN'S AND BOYS' FURNISHINGS	232	14.5	14.6	14.8	14.6	14.8	14.6	14.5	15.0	14.8	14.8	14.9	14.9	14.7
WOMEN'S & MISSES' OUTERWEAR	233	67.8	69.2	70.5	68.6	68.4	68.3	66.3	66.3	65.4	67.4	67.9	68.0	67.9
WOMEN & CHILD UNDERGARMENTS	234	3.8	3.8	4.0	3.8	3.7	3.8	3.5	3.8	3.9	3.9	3.9	3.9	3.8
CHILDREN'S OUTERWEAR	236	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.5
OTR APPAREL & TEXTILE PRODS	23 OTR	23.7	24.0	24.2	23.5	23.9	24.3	24.2	23.9	24.3	24.2	24.1	23.7	24.0
PAPER AND ALLIED PRODUCTS	26	37.3	38.2	38.8	38.7	38.9	39.4	39.1	39.1	39.2	38.7	38.5	38.4	38.7
MISC CONVERTED PAPER PRODS	264	14.1	14.5	14.5	14.8	14.8	14.9	14.5	14.7	14.6	14.4	14.3	14.4	14.5
PAPERBOARD CONTNRS & BOXES	265	17.1	17.2	17.3	17.0	17.1	17.4	17.5	17.3	17.5	17.3	17.2	17.1	17.3
PULP, PAPER & PAPERBD MILL	26 OTR	6.1	6.5	7.0	6.9	7.0	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9
PRINTING AND PUBLISHING	27	116.1	116.0	117.2	116.5	117.7	118.2	117.7	118.0	117.6	118.5	120.5	121.0	117.9
NEWSPAPERS	271	40.5	40.4	40.8	40.7	41.3	41.6	41.7	41.7	41.7	41.8	42.4	42.5	41.4
COMMERCIAL PRINTING	275	46.3	46.4	46.9	46.4	46.9	47.1	46.4	46.5	46.7	47.2	48.2	48.5	47.0
OTR PRINTING & PUBLISHING	27 OTR	29.3	29.2	29.5	29.4	29.5	29.5	29.6	29.8	29.2	29.5	29.9	30.0	29.5

ESTIMATED NUMBER OF WAGE AND SALARY WORKERS IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY
CALIFORNIA 1979(A)
(AMOUNT IN THOUSANDS)

INDUSTRY	SIC CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
CHEMICALS & ALLIED PRODUCTS	28	64.2	64.6	65.1	64.8	65.3	65.9	66.0	65.7	65.3	65.0	65.1	65.2	65.2
INDUS INORGANIC CHEMICALS	281	7.0	7.0	7.0	6.8	7.0	7.0	7.1	7.1	7.0	7.1	7.2	7.2	7.0
PLASTICS MAT & SYNTHETICS	282	4.1	4.1	4.2	4.1	4.1	4.2	4.2	4.1	4.0	4.0	4.0	4.0	4.1
DRUGS	283	16.1	16.3	16.5	16.4	16.5	16.6	16.7	16.6	16.5	16.6	16.8	16.7	16.5
SOAP, CLEANERS, TOILET GOODS	284	13.4	13.5	13.5	13.3	13.3	13.3	13.3	13.3	13.4	13.3	12.9	13.1	13.3
PAINTS & ALLIED PRODUCTS	285	8.0	8.1	8.1	8.3	8.4	8.6	8.6	8.6	8.4	8.3	8.3	8.3	8.3
AGRICULTURAL CHEMICALS	287	5.1	5.2	5.2	5.3	5.4	5.4	5.4	5.4	5.3	5.2	5.3	5.3	5.3
OTHER CHEM & ALLIED PRODS	28 OTR	10.5	10.4	10.6	10.6	10.6	10.8	10.7	10.6	10.7	10.5	10.6	10.6	10.6
PETROLEUM AND COAL PRODUCTS	29	27.1	27.1	27.3	26.8	26.9	27.2	27.4	27.7	27.7	27.9	28.1	28.2	27.5
PETROLEUM REFINING	291	23.8	23.8	24.0	23.6	23.7	23.9	24.2	24.3	24.3	24.4	24.5	24.6	24.1
OTHER PETROLEUM & COAL PRODS	29 OTR	3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.4	3.4	3.5	3.6	3.6	3.4
RUBBER AND PLASTICS PRODUCTS	30	66.2	67.0	68.3	68.7	69.4	69.7	68.9	68.1	67.3	67.3	67.1	66.7	67.9
TIRES AND INNER TUBES	301	5.3	5.3	5.3	5.3	5.3	5.2	4.9	4.2	4.2	4.0	4.0	4.0	4.8
FOOTWEAR & FAB PRODS NEC	302,6	10.6	10.6	10.6	10.6	10.7	10.9	10.9	10.8	10.7	10.6	10.6	10.6	10.7
MISC PLASTICS PRODUCTS	307	49.3	50.1	51.3	51.7	52.3	52.5	52.0	52.0	51.3	51.6	51.4	51.0	51.4
OTHER RUBBER & PLAS PROD,NEC	30 OTR	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
LEATHER AND LEATHER PRODUCTS	31	12.8	13.1	13.1	12.7	12.6	13.1	13.2	12.4	12.1	12.2	12.2	11.6	12.6
LUMBER AND WOOD PRODUCTS	24	64.7	64.4	65.2	67.0	69.4	71.2	70.6	71.5	72.4	71.3	68.1	66.4	68.5
LOG CAMPS, SAWMILLS, PLANING	241-2	23.3	23.0	23.4	25.7	27.7	29.7	29.3	29.7	29.6	28.2	25.9	25.3	26.7
MILLWORK, PLYWOOD, STRUC MEM	243	17.9	17.7	17.9	17.9	18.1	17.9	17.9	17.9	17.9	18.0	17.5	16.8	17.8
WOODEN CONTAINERS	244	4.3	4.3	4.5	4.6	4.9	4.9	4.8	4.8	5.0	4.9	4.6	4.5	4.7
OTHER LUMBER & WOOD PRODUCTS	24 OTR	19.2	19.4	19.4	18.8	18.7	18.7	18.6	19.1	19.9	20.2	20.1	19.8	19.3
FURNITURE AND FIXTURES	25	55.8	56.1	56.8	56.8	55.7	57.0	55.8	56.2	57.6	58.3	58.1	58.0	56.9
HOUSEHOLD FURNITURE	251	36.9	37.0	37.6	37.3	36.1	37.2	36.5	36.6	37.7	38.2	37.9	37.8	37.2
PARTITION AND FIXTURES	254	6.3	6.3	6.4	6.6	6.6	6.8	6.8	6.7	6.9	7.0	7.0	7.0	6.7
OTHER FURNITURE AND FIXTURES	25 OTR	12.6	12.8	12.8	12.9	13.0	13.0	12.5	12.9	13.0	13.1	13.2	13.2	12.9
STONE, CLAY, & GLASS PRODUCTS	32	58.2	58.5	58.9	59.1	59.9	60.1	59.1	60.1	59.9	60.1	60.2	59.4	59.5
GLASS AND GLASS PRODUCTS	321-3	17.4	17.6	17.7	17.9	18.0	18.0	17.6	17.2	17.2	17.2	17.4	17.4	17.6
CEMENT, HYDRAULIC	324	3.4	3.5	3.5	3.4	3.4	3.4	3.0	3.5	3.5	3.5	3.5	3.5	3.4
STRUCTURAL CLAY PRODUCTS	325	4.0	4.0	3.9	3.8	3.8	3.8	3.9	4.0	4.0	4.0	3.9	3.7	3.9
POTTERY AND RELATED PRODUCTS	326	6.2	6.2	6.3	6.0	6.3	6.2	6.3	6.5	6.6	6.8	6.8	6.5	6.4
CONCRETE, GYPSUM, PLASTER PR	327	16.8	16.7	16.9	17.2	17.6	17.7	17.6	17.8	17.6	17.6	17.7	17.6	17.4
OTHER STONE, CLAY & GLASS PR	32 OTR	10.4	10.5	10.6	10.8	10.8	11.0	10.7	11.1	11.0	11.0	10.9	10.7	10.8
PRIMARY METAL INDUSTRIES	33	58.7	58.8	59.5	59.6	59.8	60.3	59.4	59.8	60.2	60.1	59.8	59.5	59.6
BLAST FUR, BASIC STEEL PRODS	331	20.3	20.4	20.7	21.0	20.9	21.1	21.2	21.3	21.0	20.7	20.1	19.6	20.7
IRON AND STEEL FOUNDRIES	332	9.1	8.9	9.0	8.9	9.0	9.1	9.0	8.9	8.8	9.0	8.9	8.9	9.0
NONFERROUS ROLLING & DRAWING	335	15.0	15.1	15.2	15.2	15.3	15.4	14.6	14.9	15.6	15.5	15.8	16.0	15.3
NONFERROUS FOUNDRIES	336	10.1	10.2	10.4	10.2	10.3	10.3	10.3	10.3	10.4	10.5	10.5	10.5	10.3
OTHER PRIMARY METALS	33 OTR	4.2	4.2	4.2	4.3	4.3	4.4	4.3	4.4	4.4	4.4	4.5	4.5	4.3

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INDUSTRY	SIC CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
FABRICATED METAL PRODUCTS	34	154.0	152.9	154.4	155.8	157.7	159.5	159.4	159.8	159.9	159.1	159.0	159.0	157.5
CANS AND SHIPPING CONTAINERS	341	10.5	10.5	10.8	11.2	11.2	11.5	11.7	11.7	11.9	10.9	10.3	10.2	11.0
CUTLERY, HAND TOOL, HARDWARE	342	18.4	18.6	18.8	18.6	18.5	19.0	19.0	19.2	19.2	19.1	19.0	19.0	18.9
PLUMBING & HEATING EXC ELEC	343	8.3	7.3	7.3	8.3	8.3	8.6	8.3	8.6	8.5	8.3	8.2	8.0	8.2
FABRICATED STRUCTURAL PRODS	344	51.4	51.7	51.7	50.9	50.7	50.7	51.1	51.5	51.1	51.3	51.6	51.8	51.3
SCREW MACHINE PRODS, BOLTS	345	12.4	12.6	12.8	12.7	12.9	13.1	13.3	13.3	13.5	13.7	13.9	14.0	13.2
FORGINGS AND STAMPINGS	346	14.7	13.3	13.4	13.5	15.2	15.3	15.4	15.3	15.2	15.0	14.8	14.8	14.7
METAL SERVICES, NEC	347	19.3	19.6	20.0	20.9	21.2	21.3	20.8	20.4	20.5	20.6	20.9	20.9	20.5
OTHER FABRICATED METAL PRODS	34 OTR	19.0	19.3	19.6	19.7	19.7	20.0	19.8	19.8	20.0	20.2	20.3	20.3	19.8
MACHINERY (EXC ELECTRICAL)	35	217.3	219.8	223.3	222.7	225.1	226.9	228.7	228.9	229.1	230.0	229.8	232.5	226.2
FARM AND GARDEN	352	4.9	5.1	5.5	5.5	5.7	5.8	5.9	5.5	5.8	6.0	5.5	6.0	5.6
CONSTRUCTION AND RELATED	353	20.7	20.7	20.8	21.4	21.5	21.5	21.5	21.7	21.7	21.5	21.6	22.1	21.4
METALWORKING	354	20.0	20.2	20.4	20.6	20.8	20.8	20.8	20.8	20.2	20.0	19.8	19.7	20.3
SPECIAL INDUSTRY	355	11.5	11.6	11.9	11.6	11.8	11.8	11.6	11.7	11.6	11.5	11.4	11.4	11.6
GENERAL INDUSTRY	356	20.0	20.0	20.1	20.3	20.4	20.6	20.7	20.6	20.5	20.6	20.8	20.8	20.5
OFFICE & COMPUTING MACHINES	357	88.4	89.9	91.3	90.1	90.9	91.7	93.6	94.3	94.7	95.6	96.8	98.5	93.0
REFRIGERATION & SERVICE IND	358	7.3	7.3	7.3	7.5	7.6	7.7	7.5	7.3	7.4	7.3	7.2	7.2	7.4
OTHER MACHINERY (EXC ELEC)	35 OTR	44.5	45.0	46.0	45.7	46.4	47.0	47.1	47.0	47.2	47.5	46.7	46.8	46.4
ELECTRICAL & ELECTRONIC EQUIP	36	305.6	306.7	309.6	310.3	312.0	315.1	315.7	315.7	318.4	319.6	322.6	325.3	314.7
ELECTRIC DISTRIBUTION EQUIP	361	9.1	8.5	8.6	8.6	8.7	8.7	8.7	7.0	8.7	8.9	9.0	9.2	8.6
INDUSTRIAL APPARATUS	362	13.8	13.8	13.9	14.0	14.0	14.3	14.1	14.3	14.2	14.3	14.6	14.5	14.2
HOUSEHOLD APPLIANCES	363	6.0	6.0	5.9	5.7	5.7	5.7	5.6	5.5	5.4	5.5	5.5	5.5	5.7
LIGHTING & WIRING EQUIPMENT	364	22.6	22.9	22.9	23.3	23.3	23.5	23.2	23.0	23.0	23.6	24.0	24.2	23.3
RADIO & TV RECEIVING EQUIP	365	18.3	18.1	18.6	18.0	17.8	18.1	17.8	17.9	18.5	18.4	17.9	17.9	18.1
COMMUNICATION EQUIPMENT	366	121.0	120.7	121.6	121.0	121.6	122.8	124.4	124.8	125.2	124.7	125.9	127.2	123.4
ELECTRONIC COMP & ACCESS	367	106.8	108.6	109.9	111.5	112.8	114.0	114.3	115.0	115.1	116.0	117.4	118.5	113.3
MISC ELEC EQUIP & SUPPLIES	369	8.0	8.1	8.2	8.2	8.1	8.0	7.6	8.2	8.3	8.2	8.3	8.3	8.1
TRANSPORTATION EQUIPMENT	37	271.8	274.7	278.9	279.1	279.2	280.5	281.7	276.5	279.6	284.5	286.6	287.7	280.1
MOTOR VEHICLES AND EQUIPMENT	371	53.0	52.9	53.8	53.0	52.8	52.7	52.3	44.9	45.6	47.2	47.2	46.6	50.2
AIRCRAFT AND PARTS	372	131.3	134.4	137.9	139.1	139.7	140.3	141.3	142.6	144.6	146.6	148.5	149.4	141.3
SHIP, BOAT BUILDING & REPAIR	373	22.2	22.7	22.8	22.9	22.9	22.7	22.3	22.2	22.0	22.5	22.4	22.5	22.5
GUIDED MIS, SPACE VEH, PARTS	376	49.0	49.3	49.0	50.0	50.3	50.9	51.6	52.4	52.9	53.5	54.0	54.6	51.5
OTHER TRANSPORTATION EQUIP	37 OTR	16.3	15.4	15.4	14.1	13.5	13.9	14.2	14.4	14.5	14.7	14.5	14.6	14.6
INSTRUMENTS AND RELATED PRODS	38	86.4	87.6	88.7	88.9	90.1	91.3	92.4	93.2	93.0	93.4	94.2	95.2	91.2
MEASURING & CONTROLLING DEV	382	39.5	40.1	40.5	40.5	41.2	41.7	42.6	43.4	43.0	42.7	43.1	43.4	41.8
OTHER INSTR & RELATED PRODS	38 OTR	46.9	47.5	48.2	48.4	48.9	49.6	49.8	49.8	50.0	50.7	51.1	51.8	49.4
MISC MANUFACTURING INDUSTRIES	39	41.3	41.6	42.0	42.2	42.7	43.2	44.6	44.9	45.7	45.8	45.5	45.1	43.7
TOYS AND SPORTING GOODS	394	14.8	15.0	15.2	15.9	16.3	16.7	16.9	16.9	17.3	17.2	16.7	16.2	16.3
OTHER MISC MANUFAC INDUS	39 OTR	26.5	26.6	26.8	26.3	26.4	26.5	27.7	28.0	28.4	28.6	28.8	28.9	27.5

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INDUSTRY	SIC CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
TRANSPORTATION & PUB UTILITIES	40-49	517.8	516.3	522.3	509.9	522.2	539.0	542.4	539.9	543.2	539.6	541.9	544.8	531.6
TRANSPORTATION	40-47	292.0	288.7	292.9	279.0	290.9	306.2	310.0	306.9	309.9	306.4	308.5	311.2	300.2
RAILROAD	40	32.0	32.0	32.0	32.1	32.1	32.3	32.3	32.3	32.2	32.2	32.1	32.1	32.1
TRUCKING AND WAREHOUSING	42	112.4	112.2	114.2	110.8	119.5	122.5	123.7	125.1	126.2	125.5	124.5	124.7	120.1
OTHER TRANSPORTATION	OTR	147.6	144.5	146.7	136.1	139.3	151.4	154.0	149.5	151.5	148.7	151.9	154.4	148.0
COMMUNICATION (EXC US POSTAL)	48	157.1	158.9	160.3	161.3	162.3	163.5	162.9	163.4	163.7	164.1	164.2	164.4	162.2
ELEC, GAS & SANITARY SERVICES	49	68.7	68.7	69.1	69.6	69.0	69.3	69.5	69.6	69.6	69.1	69.2	69.2	69.2
WHOLESALE AND RETAIL TRADE	50-59	2183.9	2165.9	2176.1	2178.8	2200.0	2214.8	2217.3	2224.2	2240.9	2240.6	2269.3	2326.7	2219.9
WHOLESALE TRADE	50-51	543.1	544.1	549.1	553.6	561.0	567.3	568.4	569.8	571.8	573.2	572.1	575.1	562.4
RETAIL TRADE	52-59	1640.8	1621.8	1627.0	1625.2	1639.0	1647.5	1648.9	1654.4	1669.1	1667.4	1697.2	1751.6	1657.5
GENERAL MERCHANDISE	53	248.1	233.6	227.4	224.8	224.5	223.6	224.8	225.3	226.4	231.4	251.0	277.9	234.9
FOOD STORES	54	228.9	227.1	228.5	231.6	233.8	235.7	236.7	237.7	240.7	241.2	244.7	247.7	236.2
OTHER RETAIL TRADE	OTR	1163.8	1161.1	1171.1	1168.8	1180.7	1188.2	1187.4	1191.4	1202.0	1194.8	1201.5	1226.0	1186.4
FINANCE, INSURANCE & REAL ESTATE	60-67	575.2	575.2	580.3	585.5	591.4	592.5	594.8	597.5	599.7	599.8	601.8	604.4	591.5
FINANCE	60-62	270.7	272.1	273.7	275.1	277.1	278.3	279.7	280.6	282.0	283.4	285.4	286.9	278.8
INSUR CARR, AGENTS AND BROKERS	63-64	171.1	171.4	172.6	173.4	174.4	174.6	175.3	175.9	176.3	175.1	175.8	176.6	174.4
REAL ESTATE	65	121.4	119.8	121.8	124.8	127.6	127.3	127.3	128.4	128.9	128.8	128.1	128.3	126.0
COMB, HOLDING & OTR INVEST COS	66-67	12.0	11.9	12.2	12.2	12.3	12.3	12.5	12.6	12.5	12.5	12.5	12.6	12.3
SERVICES	70-89	1989.8	2011.5	2043.4	2043.6	2054.7	2066.6	2075.3	2086.5	2094.2	2099.3	2105.9	2114.7	2065.5
HOTELS & OTHER LODGING PLACES	70	102.2	104.3	107.0	108.8	109.8	111.3	113.3	115.1	113.1	110.1	109.6	109.9	109.5
PERSONAL	72	102.2	103.0	103.5	102.9	99.5	99.3	97.3	97.6	98.8	97.8	98.3	99.3	100.0
BUSINESS	73	404.1	408.8	416.9	417.0	424.2	429.8	432.8	435.8	439.8	441.8	443.2	446.2	428.4
AUTO AND MISC REPAIR	75-76	128.9	129.7	131.8	131.2	132.4	133.2	133.4	133.8	133.5	134.1	133.1	134.2	132.4
MOTION PICTURES	78	75.7	78.1	82.2	74.7	72.3	72.8	74.5	75.5	76.7	77.7	80.4	81.9	76.9
AMUSEMENT AND RECREATION, NEC	79	80.4	82.5	85.4	89.4	91.4	93.9	93.4	93.7	94.1	88.1	85.9	83.9	88.5
HEALTH	80	514.4	516.4	520.3	520.1	524.3	527.3	528.8	533.0	535.5	536.5	538.2	541.2	528.0
OTHER SERVICES	81-89	581.9	588.7	596.3	599.5	600.8	599.0	601.8	602.0	602.7	613.2	617.2	618.1	601.8
GOVERNMENT(C)		1725.7	1742.1	1755.5	1768.7	1773.5	1781.5	1640.6	1616.9	1688.9	1733.1	1757.6	1761.5	1728.8
FEDERAL		319.7	319.5	320.3	321.1	321.1	323.0	323.6	322.7	319.7	319.4	320.2	322.0	321.0
STATE AND LOCAL		1406.0	1422.6	1435.2	1447.6	1452.4	1458.5	1317.0	1294.2	1369.2	1413.7	1437.4	1439.5	1407.8
COUNTY		222.3	223.2	224.0	226.2	226.2	228.4	230.9	231.4	225.2	224.3	224.5	225.2	226.0
CITY(D)		187.0	188.0	188.5	191.3	190.9	195.5	197.5	196.6	188.7	184.9	184.7	184.5	189.8
EDUCATION(E)		777.1	791.7	802.2	809.1	814.1	809.8	662.7	638.9	736.7	780.8	805.1	805.1	769.4
OTHER STATE AND LOCAL		219.6	219.7	220.5	221.0	221.2	224.8	225.9	227.3	218.6	223.7	223.1	224.7	222.5
ESTIMATED AGRICULTURAL WAGE AND SALARY EMPLOYMENT 1979(1)														
AGRICULTURAL WAGE AND SALARY	01-09	250.8	242.0	258.8	282.0	353.9	400.9	382.7	402.0	453.7	361.6	275.0	281.8	328.8
AGRICULTURAL PRODUCTION	01-02	193.7	184.8	197.0	216.6	266.8	293.2	289.0	302.2	349.6	273.2	206.9	215.3	249.0
AG SERV, FORESTRY & FISHING(2)	07-09	57.1	57.2	61.8	65.4	87.1	107.7	93.7	99.8	104.1	88.4	68.1	66.5	79.7

(1) EMPLOYMENT REPORTED BY PLACE OF WORK. DOES NOT INCLUDE FARMERS AND UNPAID FAMILY WORKERS.
(2) AG SERVICES, FORESTRY AND FISHING--DEFINITION CHANGED TO EXCLUDE VETERINARY, OTHER ANIMAL, LANDSCAPE AND HORTICULTURAL SERVICES (SIC 074,075,078)

(2) AG SERVICES, FORESTRY AND FISHING--DEFINITION CHANGED TO EXCLUDE VETERINARY, OTHER ANIMAL, LANDSCAPE AND HORTICULTURAL SERVICES (SIC 074,075,078)

FOOTNOTES

(A) DOES NOT INCLUDE PROPRIETORS, THE SELF-EMPLOYED, UNPAID VOLUNTEER OR FAMILY WORKERS, FARM WORKERS, DOMESTIC WORKERS IN HOUSEHOLDS, AND PERSONS IN LABOR MANAGEMENT TRADE DISPUTES.

(B) INCLUDES EMPLOYEES OF CONSTRUCTION CONTRACTORS AND OPERATIVE BUILDERS; DOES NOT INCLUDE FORCE-ACCOUNT AND GOVERNMENT CONSTRUCTION WORKERS.

(C) INCLUDES ALL CIVILIAN EMPLOYEES OF FEDERAL, STATE AND LOCAL GOVERNMENT REGARDLESS OF THE ACTIVITY IN WHICH THE EMPLOYEE IS ENGAGED.

(D) INCLUDES ALL EMPLOYEES OF THE CITY AND COUNTY OF SAN FRANCISCO.

(E) INCLUDES ALL EMPLOYEES OF STATE AND LOCAL PUBLIC SCHOOLS.

HEALTH AND WELFARE AGENCY
CALIFORNIA EMPLOYMENT DEVELOPMENT DEPARTMENT
EMPLOYMENT DATA AND RESEARCH DIVISION
800 CAPITOL MALL, SACRAMENTO, CALIFORNIA 95814

CALIFORNIA PERSONAL INCOME: 1979
(In millions of dollars)

	1979				
	I	II	III	IV	Year
EARNINGS (place of work)	170,325	172,234	178,836	182,137	175,883
Farm	4,614	4,469	4,959	5,011	4,763
Mining	1,063	1,105	1,121	1,156	1,111
Construction	10,170	10,733	11,279	11,432	10,904
Manufacturing	37,605	37,525	38,383	39,094	38,152
TCU	12,291	12,417	13,226	13,250	12,796
Trade	29,062	29,236	29,907	30,230	29,609
Finance-insurance-real estate	11,350	11,399	12,010	12,376	11,784
Services	34,776	35,328	36,740	38,136	36,245
Government	28,173	28,561	29,648	29,947	29,082
Federal civilian	6,404	5,824	6,467	6,312	6,252
Military	3,335	3,347	3,348	3,266	3,324
State and local	18,434	19,390	19,833	20,369	19,506
Other industries	1,221	1,461	1,567	1,505	1,437
WAGES AND SALARIES (place of work)	139,465	140,862	145,692	147,920	143,485
Farm	1,280	1,325	1,350	1,320	1,319
Mining	863	896	906	933	900
Construction	7,903	8,366	8,749	8,810	8,457
Manufacturing	32,287	32,185	32,865	33,272	32,652
TCU	10,017	9,790	10,428	10,435	10,167
Transportation, exrailroad	4,834	4,720	5,048	5,175	4,944
Railroads	630	633	638	644	636
Communication-utilities	4,553	4,437	4,742	4,616	4,587
Trade	24,551	24,669	25,150	25,347	24,929
Finance-insurance-real estate	8,445	8,464	8,884	9,120	8,728
Services	25,836	26,276	27,317	28,430	26,965
Government	27,433	27,811	28,860	29,132	28,309
Federal civilian	6,140	5,584	6,200	6,052	5,994
Military	3,335	3,347	3,348	3,266	3,324
State and local	17,958	18,880	19,312	19,814	18,991
Other industries	850	1,080	1,183	1,121	1,059
OTHER LABOR INCOME (place of work)	13,240	13,783	14,464	15,031	14,129
PROPRIETORS' INCOME (place of work)	17,620	17,589	18,680	19,186	18,269
Farm	3,172	2,977	3,442	3,522	3,278
Nonfarm	14,448	14,612	15,238	15,664	14,991
PROPERTY INCOME (place of residence)	31,582	32,540	33,362	34,843	33,082
TRANSFER PAYMENTS (place of residence)	27,232	27,461	28,239	29,168	28,025
LESS: CONTRIBUTIONS FOR SOCIAL INSURANCE (place of work)	9,484	9,508	9,732	9,902	9,657
PLUS: RESIDENCE ADJUSTMENT	12	16	20	24	18
TOTAL PERSONAL INCOME (place of residence)	219,667	222,743	230,725	236,270	227,351

8265A

Source: California Department of Finance

CALIFORNIA PERSONAL INCOME: 1978
(In millions of dollars)

	1978				
	I	II	III	IV	Year
EARNINGS (place of work)	146,015	150,129	155,520	158,945	152,652
Farm	3,726	3,884	4,131	4,279	4,005
Mining	894	965	965	963	947
Construction	7,986	8,742	9,245	9,488	8,865
Manufacturing	31,347	32,139	33,197	34,082	32,691
Trade	25,182	25,786	26,302	27,088	26,089
TCU	10,650	10,752	11,194	11,140	10,934
Finance-insurance-real estate	8,867	9,206	9,547	9,816	9,359
Services	28,746	30,140	30,894	32,035	30,454
Government	27,742	27,456	27,459	27,491	27,537
Federal civilian	5,916	5,359	6,104	6,363	5,935
Military	2,995	2,948	3,040	3,201	3,046
State and local	18,831	19,149	18,315	17,927	18,556
Other industries	875	1,059	1,186	1,163	1,071
Proposition 13 allocation	--	--	1,400	1,400	700
WAGES AND SALARIES (place of work)	121,994	125,516	128,393	130,846	126,687
Farm	1,555	1,580	1,610	1,640	1,596
Mining	706	767	764	760	749
Construction	6,255	6,890	7,249	7,367	6,940
Manufacturing	26,984	27,632	28,483	29,184	28,071
Trade	21,283	21,859	22,273	22,897	22,078
TCU	8,851	8,992	9,337	9,292	9,118
Transportation, exrailroad	4,253	4,487	4,504	4,576	4,455
Railroads	600	612	623	630	616
Communication-utilities	3,998	3,893	4,210	4,086	4,047
Finance-insurance-real estate	7,031	7,280	7,539	7,726	7,394
Services	21,804	22,817	23,334	24,171	23,031
Government	26,841	26,835	26,816	26,839	26,833
Federal civilian	5,426	5,159	5,869	6,114	5,642
Military	2,995	2,948	3,040	3,201	3,046
State and local	18,420	18,728	17,907	17,524	18,145
Other industries	684	864	988	970	877
OTHER LABOR INCOME (place of work)	11,052	11,182	11,631	11,984	11,462
PROPRIETORS' INCOME (place of work)	12,969	13,431	15,496	16,115	14,503
Farm	2,025	2,155	2,370	2,485	2,259
Nonfarm	10,944	11,276	11,726	12,230	11,544
Proposition 13 allocation	--	--	1,400	1,400	700
PROPERTY INCOME (place of residence)	25,110	25,925	28,990	29,815	27,460
TRANSFER PAYMENTS (place of residence)	24,652	24,868	25,675	26,264	25,365
LESS: CONTRIBUTIONS FOR SOCIAL INSURANCE (place of work)	7,990	8,305	8,438	8,625	8,340
PLUS: RESIDENCE ADJUSTMENT	55	65	75	85	70
TOTAL PERSONAL INCOME (place of residence)	187,812	192,682	201,822	206,484	197,207

8265A

Source: California Department of Finance

Average Gross and Net Spendable Weekly Earnings of Production and Related Workers in Manufacturing, California and Los Angeles-Long Beach, San Francisco-Oakland, and San Diego Metropolitan Areas, 1960-79 (1972 SIC)

Area and year	Gross average weekly earnings	Net spendable earnings[a] (current dollars)		"Real" net spendable earnings (1967 dollars)	
		Worker with 3 dependents	Worker with no dependents	Worker with 3 dependents	Worker with no dependents
California					
1960	$104.28	$ 91.15	$ 82.43	$103.34	$ 93.46
1961	108.53	94.60	85.60	105.94	95.86
1962	112.44	97.56	88.31	107.80	97.58
1963	115.78	99.71	90.24	108.50	98.19
1964	119.29	104.52	95.15	111.79	101.76
1965	123.83	109.16	99.79	114.42	104.60
1966	128.93	111.30	101.64	114.39	104.46
1967	132.92	114.44	103.45	114.44	103.45
1968	138.63	117.98	106.02	113.33	101.84
1969	145.89	122.54	110.03	112.11	100.67
1970	150.48	127.40	114.73	110.88	99.85
1971	158.79	135.52	122.65	113.79	102.98
1972	170.43	145.69	132.01	118.35	107.24
1973	178.93	150.77	135.84	115.80	104.33
1974	188.97	158.69	144.11	110.59	100.43
1975	205.67	174.11	154.85	109.92	97.76
1976	221.92	186.95	168.46	111.08	100.10
1977	240.60	203.89	181.24	113.15	100.58
1978	257.84	215.72	191.09	111.02	98.35
1979	280.50	237.38	208.23	109.80	96.31
Los Angeles-Long Beach					
1960	103.34	90.39	81,73	102.14	92.35
1961	107.74	93.96	85.01	104.87	94.88
1962	111.93	97.15	87.93	107.23	97.05
1963	113.93	98.21	88.86	106.75	96.59
1964	116.76	102.43	93.21	109.32	99.48
1965	121.99	107.44	98.18	112.27	102.59
1966	127.00	109.70	100.15	112.51	102.72
1967	131.78	113.50	102.59	113.50	102.59
1968	136.82	116.60	104.76	112.22	100.83
1969	142.51	120.02	107.79	110.31	99.07
1970	145.30	123.46	111.22	108.01	97.31
1971	153.64	131.37	118.87	110.86	100.31
1972	164.02	140.82	127.60	115.14	104.33
1973	171.32	145.04	130.66	112.26	101.13
1974	180.35	152.14	138.11	106.76	96.92
1975	194.13	165.78	147.08	105.19	93.32
1976	206.96	176.15	158.31	104.85	94.23
1977	224.72	192.53	171.37	107.20	95.42
1978	241.38	203.96	181.23	105.95	94.15
1979	264.11	225.60	198.44	104.88	92.25

Average Gross and Net Spendable Weekly Earnings of Production and Related Workers in Manufacturing, California and Los Angeles-Long Beach, San Francisco-Oakland, and San Diego Metropolitan Areas, 1960-79 (1972 SIC)

Area and year	Gross average weekly earnings	Net spendable earnings[a] (current dollars)		"Real" net spendable earnings[b] (1967 dollars)	
		Worker with 3 dependents	Worker with no dependents	Worker with 3 dependents	Worker with no dependents
San Francisco-Oakland					
1960	$109.37	$ 95.28	$ 86.23	$108.52	$ 98.21
1961	113.78	98.86	89.52	111.20	100.70
1962	117.90	101.99	92.38	112.95	102.30
1963	122.85	105.44	95.52	115.23	104.39
1964	126.01	110.09	100.32	118.50	107.99
1965	132.00	115.65	105.84	122.12	111.76
1966	136.80	117.80	107.70	121.31	110.92
1967	140.30	120.40	108.94	120.40	108.94
1968	150.08	126.60	113.71	121.15	108.81
1969	159.19	132.90	119.25	120.60	108.21
1970	165.33	139.35	125.41	120.34	108.30
1971	178.48	151.50	137.18	126.14	114.22
1972	194.04	164.80	149.55	132.58	120.31
1973	207.50	172.20	155.06	130.95	117.92
1974	223.44	184.91	167.37	128.05	115.91
1975	244.29	202.33	180.26	127.17	113.30
1976	269.39	221.57	199.02	131.89	118.46
1977	291.67	240.39	211.18	132.96	116.80
1978	310.44	252.38	220.91	127.85	111.91
1979	333.32	274.19	237.99	127.71	110.85
San Diego					
1965	131.87	115.62	105.81	121.45	111.14
1966	137.76	118.58	108.43	122.12	111.67
1967	146.47	125.37	113.42	125.37	113.42
1968	150.66	127.07	114.12	122.07	109.63
1969	158.36	132.24	118.66	120.77	108.37
1970	164.80	138.92	125.03	120.49	108.44
1971	167.03	142.23	128.75	118.72	107.47
1972	171.70	146.66	132.91	117.89	106.84
1973	178.03	150.09	135.23	113.28	102.06
1974	189.91	159.41	144.76	108.29	98.34
1975	202.22	171.62	152.57	106.73	94.88
1976	215.81	182.54	164.31	106.94	96.26
1977	230.29	196.54	174.93	107.99	96.12
1978	242.35	204.65	181.82	102.58	91.14
1979	259.11	222.00	195.35	96.35	84.79

[a]After Federal and State Income taxes and Federal social security and State disability insurance deductions.

[b]Net spendable earnings adjusted for changes in the Consumer Price Index. The Consumer Price Index is compiled by the U. S. Bureau of Labor Statistics monthly for the Los Angeles-Long Beach Metropolitan Area and quarterly for the San Francisco-Oakland and San Diego Metropolitan Areas. The Index for California is prepared by the California Department of Industrial Relations as a weighted average of the Indexes for Los Angeles-Long Beach, San Francisco-Oakland and San Diego.

Source: California Employment Development Department.

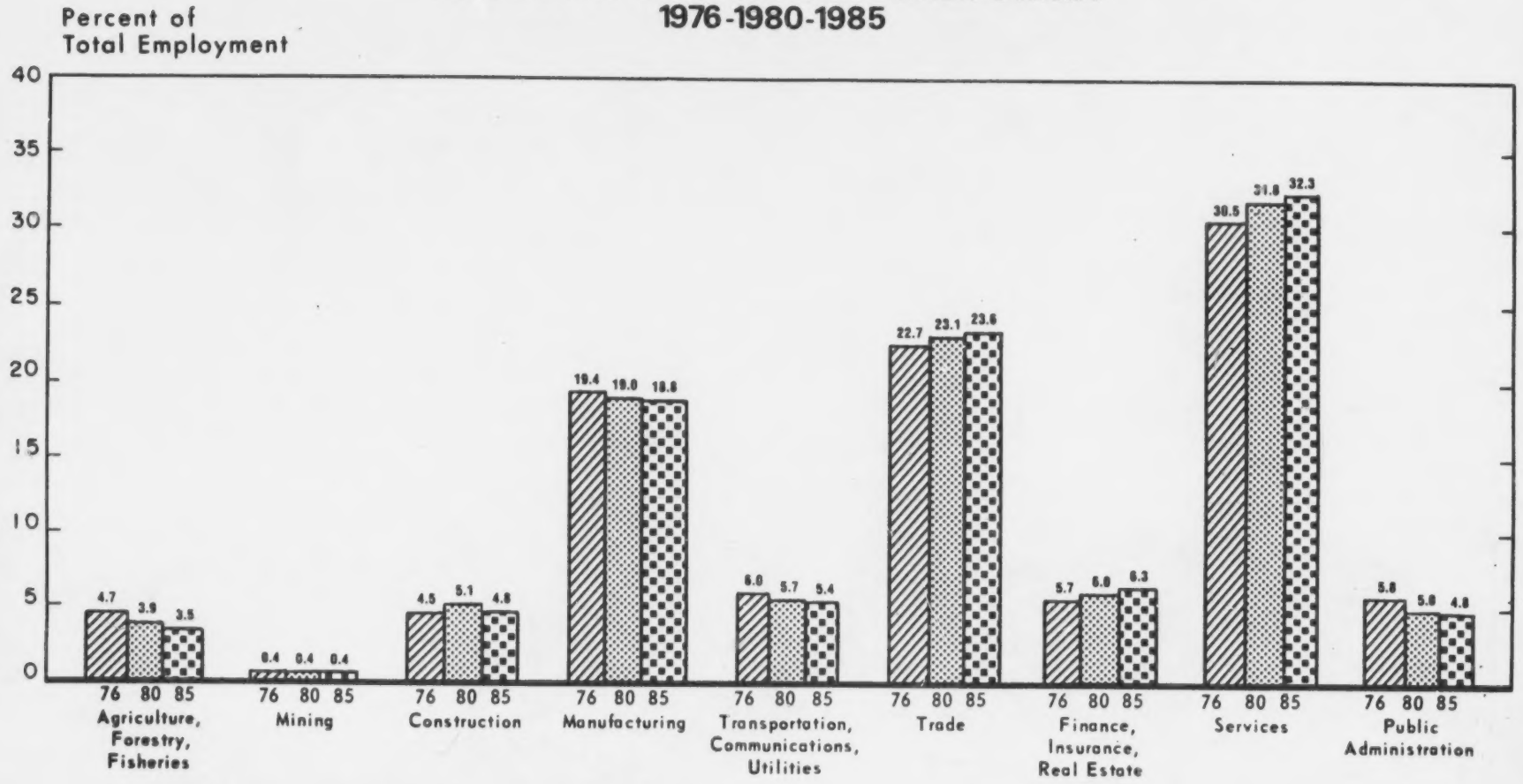
Nonagricultural Wage and Salary Employment by Major Industry Group

1939-1979

	Nonag	ME	Const	Mfg	TPU	Trade	FIRE	Svc	Govt
1939	1,812.0	40.0	78.8	384.4	185.1	504.7	93.9	274.7	250.3
1940	1,931.8	40.0	92.1	440.2	190.3	524.2	98.3	280.4	266.3
1941	2,264.9	40.1	138.5	593.6	213.0	572.1	102.4	297.4	307.8
1942	2,689.6	33.8	155.5	876.0	233.8	588.0	97.2	321.3	384.1
1943	3,083.6	29.4	140.3	1,165.5	250.8	596.1	94.9	341.5	465.0
1944	3,116.4	29.9	135.9	1,109.7	268.0	614.0	93.2	355.2	510.6
1945	2,961.3	30.6	139.0	860.8	279.5	654.2	97.8	365.7	533.7
1946	2,972.6	33.5	177.7	706.7	295.5	737.1	116.9	405.0	500.2
1947	3,080.0	34.2	209.0	721.8	312.6	774.7	125.8	418.9	483.0
1948	3,162.8	35.6	232.7	734.2	317.9	790.6	132.3	418.7	500.9
1949	3,088.1	34.4	204.4	701.5	306.0	767.2	134.2	415.6	524.6
1950	3,209.4	32.3	235.0	759.7	307.1	783.2	142.1	416.8	533.3
1951	3,518.3	35.0	250.9	892.5	327.1	820.9	150.3	441.7	599.9
1952	3,737.8	35.9	250.6	994.6	336.3	852.6	157.9	469.0	640.9
1953	3,880.7	37.3	261.5	1,060.8	346.6	881.1	166.7	480.4	646.4
1954	3,866.1	36.1	255.0	1,048.6	336.5	877.2	170.4	487.8	654.5
1955	4,082.9	36.8	284.0	1,121.1	347.4	915.6	180.4	516.5	681.2
1956	4,352.3	37.0	302.3	1,218.0	364.9	963.1	193.2	549.2	724.6
1957	4,525.2	36.5	287.5	1,283.8	372.8	986.9	203.7	593.1	760.9
1958	4,498.6	33.4	286.7	1,217.4	353.7	973.0	212.6	623.2	798.6
1959	4,774.8	32.4	308.4	1,312.6	354.8	1,030.8	226.2	677.2	832.4
1960	4,896.0	30.6	294.8	1,317.2	356.9	1,067.6	243.2	711.7	874.0
1961	4,996.1	30.3	294.4	1,318.0	351.2	1,080.6	253.0	748.3	920.3
1962	5,217.7	30.2	307.7	1,382.5	357.0	1,121.4	265.4	790.7	962.8
1963	5,412.3	29.6	329.0	1,394.3	360.3	1,169.0	281.0	847.5	1,001.6
1964	5,606.5	31.0	340.4	1,389.4	371.0	1,224.5	296.7	910.0	1,043.5
1965	5,800.3	31.7	323.7	1,411.2	387.1	1,269.7	306.7	964.8	1,105.4
1966	6,145.2	32.3	305.6	1,531.3	410.3	1,329.3	310.6	1,029.1	1,196.7
1967	6,367.6	31.9	275.2	1,594.0	428.7	1,358.7	319.3	1,085.5	1,274.3
1968	6,642.1	32.5	290.7	1,639.7	440.7	1,418.1	337.8	1,146.8	1,335.8
1969	6,931.5	32.6	310.6	1,661.3	460.7	1,493.0	358.4	1,223.2	1,391.7
1970	6,946.2	31.4	303.0	1,558.0	459.1	1,529.3	374.5	1,266.2	1,424.7
1971	6,917.0	30.4	301.5	1,473.2	452.6	1,545.2	386.8	1,281.0	1,446.3
1972	7,209.9	29.2	320.7	1,536.0	454.1	1,608.6	409.3	1,359.4	1,492.6
1973	7,621.9	30.5	344.8	1,653.5	467.0	1,703.2	431.6	1,466.5	1,524.8
1974	7,834.3	32.8	334.0	1,694.0	470.7	1,752.0	444.8	1,520.1	1,585.9
1975	7,848.2	33.9	303.3	1,586.9	458.1	1,786.3	446.4	1,564.5	1,670.6
1976	8,153.6	34.7	317.6	1,650.9	463.9	1,875.6	468.7	1,647.3	1,695.0
1977	8,598.0	35.6	366.1	1,728.1	476.5	1,982.4	505.4	1,764.7	1,739.0
1978	9,197.1	37.1	417.5	1,875.2	506.4	2,126.0	553.2	1,931.3	1,750.4
1979	9,637.8	39.3	460.6	2,000.6	531.6	2,219.9	591.5	2,065.5	1,728.8

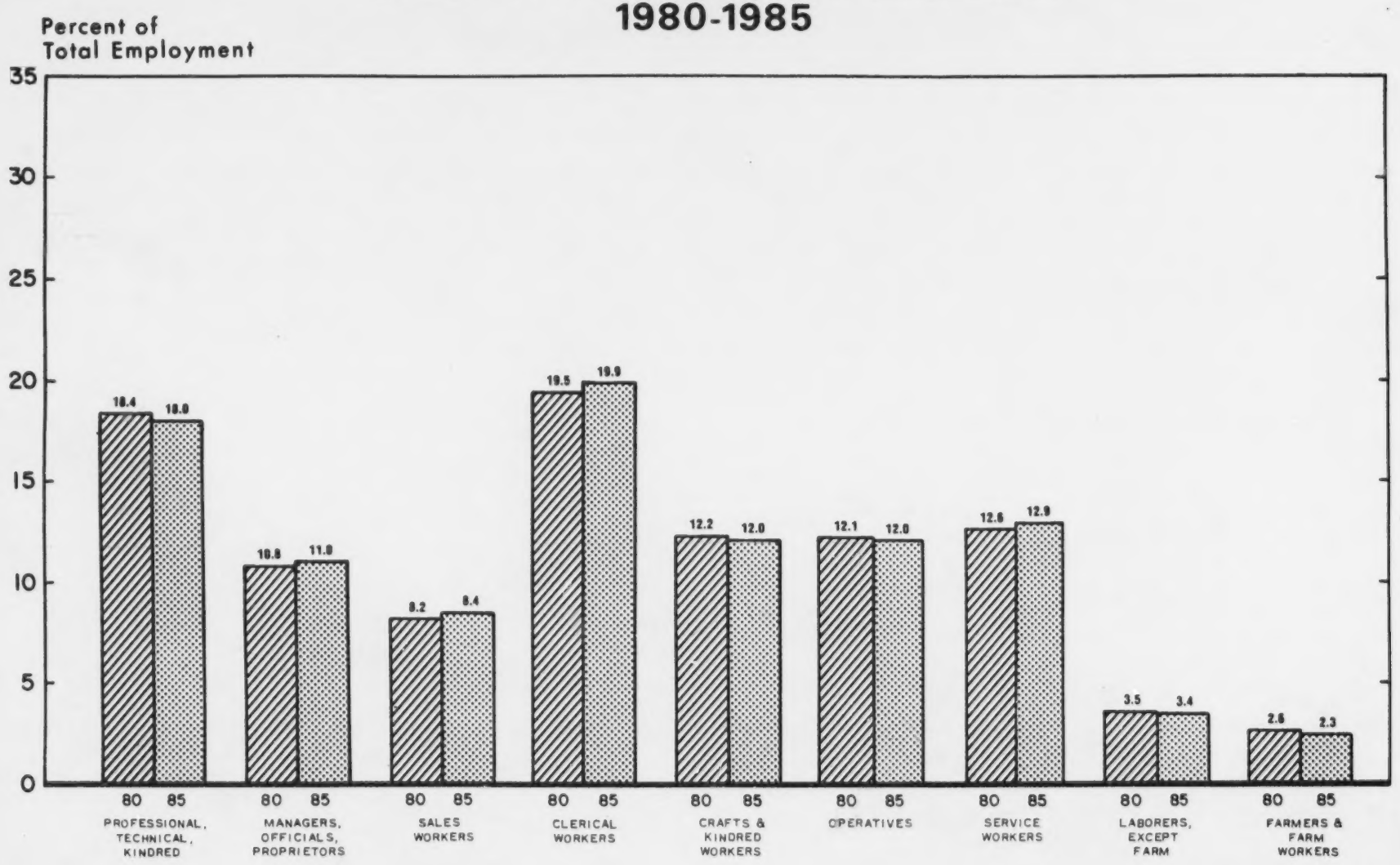
Source: California Employment Development Department
Employment Data and Research Division
Employment Reports Group

INDUSTRY PROFILE FOR CALIFORNIA
1976-1980-1985



SOURCE: California Employment Development Department
Employment Data and Research Division

OCCUPATIONAL PROFILE FOR CALIFORNIA
1980-1985



SOURCE: California Employment Development Department
Employment Data and Research Division

INDUSTRY-OCCUPATION EMPLOYMENT (MATRIX) SUMMARY, 1980 AND 1985 a/
STATE OF CALIFORNIA (In thousands)

MAJOR OCCUPATIONAL GROUP	YEAR	TOTAL ALL INDUSTRIES	AGRICULTURE, FORESTRY, FISHERIES	MINING	CONSTRUCTION	MANUFACTURING	TRANSPORTATION, COMMUNICATIONS, UTILITIES	TRADE	FINANCE, INSURANCE, REAL ESTATE	SERVICE INDUSTRIES	PUBLIC ADMINISTRATION
		INDUSTRY DIVISION									
Total, All Occupations	80	11,070	427	41	566	2,104	628	2,557	668	3,524	556
	85	12,487	442	44	605	2,352	681	2,941	791	4,028	603
Professional, Technical, Kindred	80	2,038	17	8	35	349	65	84	36	1,324	120
	85	2,244	19	8	38	383	70	91	41	1,458	137
Managers, Officials, Proprietors	80	1,200	6	3	77	183	63	398	144	274	52
	85	1,376	6	4	75	209	72	458	176	322	55
Sales Workers	80	903	5	0	5	71	7	605	175	34	1
	85	1,050	6	0	7	81	8	694	210	45	0
Clerical Workers	80	2,161	15	5	44	281	150	435	283	763	185
	85	2,487	16	5	48	319	157	511	331	905	195
Crafts and Kindred Workers	80	1,354	16	10	307	418	139	204	8	210	43
	85	1,504	17	11	334	459	153	232	9	246	43
Operatives	80	1,339	17	14	46	734	143	241	2	128	14
	85	1,503	18	15	51	834	155	267	2	147	14
Service Workers	80	1,395	4	0	3	25	24	472	14	729	124
	85	1,605	3	0	3	24	29	556	16	832	141
Laborers, except Farm	80	390	59	1	47	43	37	117	5	63	18
	85	426	66	1	50	43	38	132	6	73	18
Farmers and Farm Workers	80	290	290	0	0	0	0	0	0	0	0
	85	292	292	0	0	0	0	0	0	0	0

a/ Subtotals may not add to totals because of rounding.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY INDUSTRIES WITHIN OCCUPATION, 1980 AND 1985[a/]
STATE OF CALIFORNIA

MAJOR OCCUPATIONAL GROUP

INDUSTRY DIVISION

MAJOR OCCUPATIONAL GROUP	YEAR	TOTAL ALL INDUSTRIES	AGRICULTURE, FORESTRY, FISHERIES	MINING	CONSTRUCTION	MANUFACTURING	TRANSPORTATION, COMMUNICATIONS, UTILITIES	TRADE	FINANCE, INSURANCE, REAL ESTATE	SERVICE INDUSTRIES	PUBLIC ADMINISTRATION
Total, All Occupations	80	100.0	3.9	0.4	5.1	19.0	5.7	23.1	6.0	31.8	5.0
	85	100.0	3.5	0.4	4.8	18.8	5.5	23.6	6.3	32.3	4.8
Professional, Technical, Kindred	80	100.0	0.8	0.4	1.7	17.1	3.2	4.1	1.8	64.9	5.9
	85	100.0	0.8	0.4	1.7	17.1	3.1	4.1	1.8	64.9	6.1
Managers, Officials, Proprietors	80	100.0	0.5	0.3	6.4	15.3	5.2	33.2	12.0	22.8	4.3
	85	100.0	0.4	0.3	5.5	15.2	5.2	33.3	12.8	23.4	4.0
Sales Workers	80	100.0	0.5	-	0.6	7.9	0.8	67.0	19.4	3.7	0.1
	85	100.0	0.5	-	0.7	7.7	0.7	66.0	20.0	4.3	-
Clerical Workers	80	100.0	0.7	0.2	2.1	13.0	6.9	20.2	13.1	35.3	8.6
	85	100.0	0.6	0.2	1.9	12.8	6.3	20.6	13.3	36.4	7.8
Crafts and Kindred Workers	80	100.0	1.1	0.7	22.7	30.9	10.3	15.1	0.6	15.5	3.1
	85	100.0	1.1	0.7	22.2	30.5	10.2	15.4	0.6	16.4	2.9
Operatives	80	100.0	1.2	1.1	3.5	54.8	10.7	18.0	0.1	9.5	1.1
	85	100.0	1.2	1.0	3.4	55.5	10.3	17.8	0.1	9.8	0.9
Service Workers	80	100.0	0.3	-	0.2	1.8	1.7	33.8	1.0	52.2	8.9
	85	100.0	0.2	-	0.2	1.5	1.8	34.7	1.0	51.8	8.8
Laborers, except Farm	80	100.0	15.2	0.2	12.2	11.0	9.4	30.0	1.4	16.1	4.5
	85	100.0	15.4	0.2	11.7	10.2	8.9	30.9	1.4	17.2	4.2
Farmers and Farm Workers	80	100.0	100.0	-	--	-	-	-	-	-	-
	85	100.0	100.0	-	-	-	-	-	-	-	-

a/ The percentages were computed from unrounded data and therefore may differ from percentages computed using the rounded figures in Table 2a. Parts may not add to 100 percent due to rounding.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY OCCUPATIONS WITHIN INDUSTRY, 1980 AND 1985[a/]
STATE OF CALIFORNIA

INDUSTRY DIVISION

MAJOR OCCUPATIONAL GROUP	YEAR	TOTAL ALL INDUSTRIES	AGRICULTURE, FORESTRY, FISHERIES	MINING	CONSTRUCTION	MANUFACTURING	TRANSPORTATION, COMMUNICATIONS, UTILITIES	TRADE	FINANCE, INSURANCE, REAL ESTATE	SERVICE INDUSTRIES	PUBLIC ADMINISTRATION
Total, All Occupations	80	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	85	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Professional, Technical, Kindred	80	18.4	4.0	18.6	6.3	16.6	10.4	3.3	5.4	37.6	21.7
	85	18.0	4.3	18.1	6.2	16.3	10.3	3.1	5.2	36.2	22.8
Managers, Officials, Proprietors	80	10.8	1.3	8.3	13.5	8.7	10.0	15.6	21.6	7.8	9.3
	85	11.0	1.3	8.3	12.4	8.9	10.5	15.6	22.2	8.0	9.1
Sales Workers	80	8.2	1.1	0.6	1.0	3.4	1.2	23.6	26.2	1.0	0.1
	85	8.4	1.3	0.5	1.1	3.4	1.1	23.6	26.5	1.1	-
Clerical Workers	80	19.5	3.5	11.7	7.8	13.3	23.8	17.0	42.3	21.6	33.3
	85	19.9	3.6	11.8	7.9	13.6	23.1	17.4	41.8	22.5	32.4
Crafts and Kindred Workers	80	12.2	3.6	23.4	54.2	19.9	22.1	8.0	1.2	6.0	7.7
	85	12.0	3.9	24.1	55.1	19.5	22.5	7.9	1.1	6.1	7.1
Operatives	80	12.1	3.9	34.5	8.2	34.9	22.8	9.4	0.3	3.6	2.5
	85	12.0	4.0	34.4	8.5	35.5	22.7	9.1	0.3	3.7	2.3
Service Workers	80	12.6	0.8	1.0	0.6	1.2	3.8	18.5	2.2	20.7	22.2
	85	12.9	0.8	0.9	0.5	1.0	4.2	18.9	2.1	20.6	23.3
Laborers, except Farm	80	3.5	13.9	2.0	8.4	2.0	5.8	4.6	0.8	1.8	3.2
	85	3.4	14.9	1.9	8.2	1.8	5.6	4.5	0.8	1.8	2.9
Farmers and Farm Workers	80	2.6	67.8	-	-	-	-	-	-	-	-
	85	2.3	66.1	-	-	-	-	-	-	-	-

a/ The percentages were computed from unrounded data and therefore may differ from percentages computed using the rounded figures in Table 2a. Parts may not add to 100 percent due to rounding.

SOURCE: California Employment Development Department
Employment Data and Research Division

DETAILED OCCUPATIONAL EMPLOYMENT, CURRENT AND ANTICIPATED BY INDUSTRY DIVISION FOR CALIFORNIA

LINE NUMBER	OCCUPATIONAL CATEGORY	TOTAL ALL INDUSTRIES		AGRICULTURE, FORESTRY FISHERIES		MINING		CONSTRUCTION		MANUFACTURING	
		1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
1	TOTAL, ALL OCCUPATIONS	11070195	12486786	427435	491861	41013	43879	565676	605452	2104384	2352096
2	PROFESSIONAL, TECHNICAL, KINDRED	2038333	2244477	17068	18855	7640	7956	35446	37711	349107	382739
3	ENGINEERS, TECHNICAL	268555	300497	793	919	2565	2734	17191	18033	142806	156082
4	ENGINEERS, AERO-ASTRONAUTIC	21786	22368	0	0	0	0	0	0	19243	19454
5	ENGINEERS, CHEMICAL	5875	6692	0	0	93	89	401	408	3242	3563
6	ENGINEERS, CIVIL	31121	34344	375	468	142	156	11488	11634	1508	1444
7	ENGINEERS, ELECTRICAL	73989	83485	4	4	92	95	1450	1580	46043	51740
8	ENGINEERS, INDUSTRIAL	41883	47820	124	102	207	217	1274	1497	25873	28921
9	ENGINEERS, MECHANICAL	32995	35214	105	128	227	260	1391	1497	19272	20520
10	ENGINEERS, METALLURGICAL	2226	2508	0	0	18	22	66	88	1673	1790
11	ENGINEERS, MINING	474	602	0	0	136	162	80	109	23	9
12	ENGINEERS, PETROLEUM	1832	1863	4	0	1366	1414	7	0	203	208
13	ENGINEERS, SALES	7379	8117	6	0	70	87	290	308	2933	3066
14	ENGINEERS, OTHER	48997	57484	175	217	213	231	744	911	22795	25367
15	LIFE AND PHYSICAL SCIENTISTS	39393	44505	1301	1665	1542	1692	163	178	10582	11299
16	AGRICULTURAL SCIENTISTS	2608	3024	888	1119	0	0	32	31	108	113
17	ATMOSPHERIC, SPACE SCIENTISTS	1727	1965	0	0	0	0	0	0	372	419
18	BIOLOGICAL SCIENTISTS	6911	7785	339	476	0	0	16	24	770	881
19	CHEMISTS	15653	17994	74	70	309	348	6	6	7102	7542
20	GEOLOGISTS	3325	3733	0	0	1220	1330	64	70	238	260
21	MARINE SCIENTISTS	1482	1716	0	0	0	0	25	25	7	0
22	PHYSICISTS AND ASTRONOMERS	7575	8151	0	0	12	14	19	22	1937	2019
23	LIFE, PHYSICAL SCIENTISTS NEC	111	138	0	0	0	0	0	0	47	66
24	MATHEMATICAL SPECIALISTS	6487	7516	8	4	21	21	78	86	1674	1798
25	ACTUARIES	904	1134	0	0	0	0	0	0	0	0
26	MATHEMATICIANS	1955	2259	3	0	9	10	22	23	521	530
27	STATISTICIANS	3628	4083	5	4	12	12	55	64	1153	1268
28	ENGINEERS, SCIENCE TECHNICIANS	143722	163336	1801	1980	1225	1317	8035	8682	65529	72623
29	AGRI, BIOLOG TECH EXC HEALTH	5286	5785	1046	1170	7	6	175	156	2626	2892
30	CHEMICAL TECHNICIANS	5693	6234	0	0	238	238	74	79	3176	3436
31	DRAFTERS	50303	58394	302	295	337	379	4329	4720	19276	21350
32	ELECTRICAL, ELECTRONIC TECH	42865	48888	24	23	82	88	628	757	25310	29049
33	INDUSTRIAL ENGINEERING TECH	3318	3765	0	0	24	26	0	0	2670	2959
34	MATHEMATICAL TECHN	152	158	0	0	0	0	0	0	43	47
35	MECHANICAL ENGINEERING TECH	2753	3428	6	8	5	6	0	0	1834	2034
36	SURVEYORS	6755	8044	147	174	53	54	1327	1340	90	113
37	ENGINEERING, SCIENCE TECH NEC	26598	28740	276	309	479	520	1501	1629	10504	10741
38	MEDICAL WORKERS, EXC TECH	277763	316777	3162	3334	20	29	22	28	1655	2100
39	CHIROPRACTORS	5333	6217	0	0	0	0	0	0	0	0
40	DENTISTS	18570	20093	0	0	0	0	0	0	35	51
41	DIETITIANS	5088	5416	7	0	0	0	0	0	25	26
42	OPTOMETRISTS	6544	7876	0	0	0	0	0	0	0	0
43	PHARMACISTS	13495	15451	0	0	0	0	0	0	109	145
44	PHYSICIANS, MD OSTEOPATHS	58579	68260	4	0	0	0	0	0	253	407
45	PODIATRISTS	2163	2517	0	0	0	0	0	0	0	0
46	REGISTERED NURSES	142920	161086	20	0	20	29	22	28	1218	1450
47	THERAPISTS	19944	23443	0	0	0	0	0	0	0	0
48	VETERINARIANS	3700	4157	3131	3334	0	0	0	0	14	20
49	OTHER MEDICAL AND HEALTH	1427	2259	0	0	0	0	0	0	0	0
50	HEALTH TECHNOL AND TECH	63892	74184	98	71	3	0	0	0	1145	1298
51	CLINICAL LAB TECHNOL, TECH	25184	29349	9	7	0	0	0	0	63	87
52	DENTAL HYGIENISTS	6305	8586	0	0	0	0	0	0	33	56
53	HEALTH RECORD TECHNOL, TECH	1942	2188	0	0	0	0	0	0	0	0
54	RADIOLOGIC TECHNOL, TECH	13012	15232	0	0	0	0	0	0	5	0
55	THERAPY ASSISTANTS	496	527	0	0	0	0	0	0	2	0
56	OTHER HEALTH TECHNOL, TECH	17052	17902	89	64	3	0	0	0	1041	1155
57	TECHNICIANS, EXC HEALTH	32843	38314	1393	1710	120	150	286	352	2340	2899
58	AIRPLANE PILOTS	11356	12860	1295	1611	18	27	39	42	426	496
59	AIR TRAFFIC CONTROLLERS	3814	4318	0	0	0	0	0	0	0	0
60	EMBALMERS	1462	1520	0	0	0	0	0	0	0	0
61	FLIGHT ENGINEERS	1593	1836	0	0	0	0	0	0	315	417
62	RADIO OPERATORS	4624	5268	48	32	0	0	43	39	97	82
63	TOOL PROGRAMERS, NUMERICAL	479	547	0	0	0	0	0	0	393	449
64	OTHER TECHNICIANS EXC HEALTH	9515	11973	57	67	102	123	205	271	1108	1455
65	COMPUTER SPECIALISTS	74637	87037	42	40	244	239	871	926	25450	28497
66	COMPUTER PROGRAMERS	44351	51253	42	40	127	122	514	560	14453	16067
67	COMPUTER SYSTEMS ANALYSTS	25482	30203	0	0	87	89	306	314	9068	10341
68	OTHER COMPUTER SPECIALISTS	4805	5581	0	0	30	28	51	52	1929	2088
69	SOCIAL SCIENTISTS	36897	42797	52	26	121	130	225	232	6115	7031
70	ECONOMISTS	18277	21543	42	26	121	130	177	188	6073	7031
71	POLITICAL SCIENTISTS	80	65	0	0	0	0	0	0	0	0
72	PSYCHOLOGISTS	13044	14530	0	0	0	0	0	0	30	0
73	SOCIOLOGISTS	1001	1129	5	0	0	0	0	0	0	0
74	URBAN AND REGIONAL PLANNERS	3693	4450	4	0	0	0	46	45	11	0
75	OTHER SOCIAL SCIENTISTS	801	1080	0	0	0	0	2	0	1	0
76	TEACHERS	397720	389330	0	0	0	0	0	0	596	617
77	ADULT EDUCATION TEACHERS	7507	7831	0	0	0	0	0	0	574	602
78	COLLEGE AND UNIVERSITY TEACHERS*	66061	66229	0	0	0	0	0	0	0	0
87	ELEMENTARY SCHOOL TEACHERS	160566	154683	0	0	0	0	0	0	0	0
97	PRESCHOOL, KINDERGARTEN	27017	31988	0	0	0	0	0	0	0	0
99	SECONDARY SCHOOL TEACHERS	104653	95770	0	0	0	0	0	0	0	0
106	TEACHERS NEC, EXC COLL, UNIVER	31916	28830	0	0	0	0	0	0	23	15

*College and university teachers by subject have been aggregated into the single occupation "College and University teachers."

TRANSPORTATION, COMMUNICATIONS, AND UTILITIES		TRADE		FINANCE, INSURANCE, AND REAL ESTATE		SERVICES		PUBLIC ADMINISTRATION		OCCUPATIONAL CATEGORY
1980	1985	1980	1985	1980	1985	1980	1985	1980	1985	
628296	680924	2556816	2941236	667551	790913	3523522	4027709	555502	602716	TOTAL, ALL OCCUPATIONS
65349	70034	83748	91396	35809	40837	1323865	1457778	120303	137169	PROFESSIONAL, TECHNICAL, KINDRED
19668	20975	9768	10737	1997	2419	54863	68334	18905	20265	ENGINEERS, TECHNICAL
282	255	33	34	0	0	1267	1453	961	1173	ENGINEERS, AERO-ASTRONAUTIC
190	244	169	180	0	0	1660	2077	119	131	ENGINEERS, CHEMICAL
2773	3058	233	253	295	317	8678	11286	5638	5730	ENGINEERS, CIVIL
10957	11712	1284	1315	51	59	10602	12970	3505	4010	ENGINEERS, ELECTRICAL
976	899	1034	1146	1295	1625	7359	9552	3742	3860	ENGINEERS, INDUSTRIAL
2265	2496	972	1034	37	40	7349	7709	1378	1531	ENGINEERS, MECHANICAL
10	10	23	27	0	0	336	436	99	135	ENGINEERS, METALLURGICAL
0	0	0	0	0	0	208	299	27	22	ENGINEERS, MINING
16	6	48	45	9	0	115	151	63	39	ENGINEERS, PETROLEUM
122	122	3670	4178	5	7	284	347	0	0	ENGINEERS, SALES
2077	2173	2303	2526	305	371	17006	22055	3380	3634	ENGINEERS, OTHER
746	751	846	947	76	98	19497	22478	4641	5398	LIFE AND PHYSICAL SCIENTISTS
0	0	134	136	10	0	721	786	714	839	AGRICULTURAL SCIENTISTS
40	40	0	0	0	0	837	1071	478	435	ATMOSPHERIC, SPACE SCIENTISTS
115	136	139	160	0	0	4614	4900	917	1207	BIOLOGICAL SCIENTISTS
272	262	437	474	50	73	6335	7785	1069	1434	CHEMISTS
33	33	123	165	16	25	1257	1462	375	388	GEOLOGISTS
286	279	0	0	0	0	666	884	498	527	MARINE SCIENTISTS
0	0	12	11	0	0	5009	5522	585	562	PHYSICISTS AND ASTRONOMERS
0	0	0	0	0	0	59	67	5	6	LIFE, PHYSICAL SCIENTISTS NEC
304	268	188	178	798	939	2583	3293	833	927	MATHEMATICAL SPECIALISTS
0	0	0	0	440	534	461	600	4	0	ACTUARIES
14	11	50	51	61	54	769	1016	506	605	MATHEMATICIANS
290	257	138	128	298	350	1353	1676	323	322	STATISTICIANS
8862	9567	3540	3783	511	572	43146	52888	11074	11925	ENGINEERS, SCIENCE TECHNICIANS
52	59	170	180	0	0	992	989	217	333	AGRI, BIOLOG TECH EXC HEALTH
136	160	104	103	0	0	1853	2113	111	104	CHEMICAL TECHNICIANS
2801	2793	1315	1474	329	345	18102	22800	3511	4136	DRAFTERS
3520	3892	1315	1385	21	24	8055	9422	3912	4246	ELECTRICAL, ELECTRONIC TECH
64	71	99	107	0	0	246	335	216	265	INDUSTRIAL ENGINEERING TECH
69	86	2	0	0	0	7	0	29	25	MATHEMATICAL TECHN
0	0	11	13	0	0	864	1331	32	36	MECHANICAL ENGINEERING TECH
788	913	25	29	112	144	3211	4500	1002	778	SURVEYORS
1431	1593	499	491	49	58	9815	11397	2044	2001	ENGINEERING, SCIENCE TECH NEC
317	397	12162	13908	312	413	256937	292065	3176	4504	MEDICAL WORKERS, EXC TECH
0	0	0	0	0	0	5333	6217	0	0	CHIROPRACTORS
0	0	21	10	0	0	18382	19851	132	181	DENTISTS
0	0	310	410	0	0	4655	4837	91	143	DIETITIANS
0	0	245	277	0	0	6299	7599	0	0	OPTOMETRISTS
0	0	11144	12665	0	0	2093	2387	148	253	PHARMACISTS
17	22	115	147	54	67	57386	66330	750	1287	PHYSICIANS, MD OSTEOPATHS
0	0	0	0	0	0	2163	2517	0	0	PODIATRISTS
300	375	229	293	214	287	139711	157076	1184	1549	REGISTERED NURSES
0	0	94	106	44	59	19077	22400	729	877	THERAPISTS
0	0	2	0	0	0	412	591	141	213	VETERINARIANS
0	0	0	0	0	0	1427	2259	0	0	OTHER MEDICAL AND HEALTH
111	101	223	238	10	0	61659	71358	643	1116	HEALTH TECHNOL AND TECH
14	15	50	54	0	0	24777	28746	271	440	CLINICAL LAB TECHNOL, TECH
0	0	0	0	0	0	6160	8913	12	17	DENTAL HYGIENISTS
0	0	0	0	0	0	1935	2188	7	0	HEALTH RECORD TECHNOL, TECH
6	0	0	0	0	0	12965	15190	37	42	RADIOLOGIC TECHNOL, TECH
0	0	4	0	0	0	488	527	2	0	THERAPY ASSISTANTS
91	86	170	184	10	0	15335	15795	313	618	OTHER HEALTH TECHNOL, TECH
10500	11357	1110	1294	182	225	9548	10556	8365	9770	TECHNICIANS, EXC HEALTH
7828	8597	139	156	102	141	959	1006	551	784	AIRPLANE PILOTS
0	0	0	0	0	0	0	0	3814	4318	AIR TRAFFIC CONTROLLERS
0	0	0	0	0	0	1458	1520	4	0	EMBALMERS
1105	1233	0	0	21	26	110	111	42	49	FLIGHT ENGINEERS
1003	855	92	93	31	28	440	435	2877	3696	RADIO OPERATORS
0	0	0	0	0	0	60	62	26	36	TOOL PROGRAMERS, NUMERICAL
563	673	879	1045	29	30	5521	7423	1051	887	OTHER TECHNICIANS EXC HEALTH
2403	2562	5054	5331	4951	5718	30024	37031	5598	6693	COMPUTER SPECIALISTS
1404	1470	3290	3527	3031	3460	18235	22122	3255	3885	COMPUTER PROGRAMERS
891	980	1427	1445	1739	2040	9849	12509	2114	2485	COMPUTER SYSTEMS ANALYSTS
108	113	336	359	181	218	1940	2400	229	323	OTHER COMPUTER SPECIALISTS
891	890	1448	1515	2036	2470	21381	24798	4627	5705	SOCIAL SCIENTISTS
874	867	1442	1515	1953	2406	6735	8470	859	909	ECONOMISTS
0	0	0	0	0	0	80	65	0	0	POLITICAL SCIENTISTS
16	23	0	0	4	0	12588	14030	406	477	PSYCHOLOGISTS
0	0	6	0	0	0	609	645	380	484	SOCIOLOGISTS
0	0	0	0	75	63	783	781	2773	3561	URBAN AND REGIONAL PLANNERS
0	0	0	0	4	0	585	805	209	275	OTHER SOCIAL SCIENTISTS
219	150	1287	1172	51	58	394823	386654	743	680	TEACHERS
46	43	262	256	44	58	6267	6559	313	313	ADULT EDUCATION TEACHERS
0	0	0	0	0	0	66061	66229	0	0	COLLEGE AND UNIVERSITY TEACHERS **
0	0	0	0	0	0	160566	158683	0	0	*ELEMENTARY SCHOOL TEACHERS
0	0	0	0	0	0	26905	31831	112	156	PRESCHOOL, KINDERGARTEN
0	0	0	0	0	0	104653	95770	0	0	SECONDARY SCHOOL TEACHERS
172	107	1025	916	7	0	30371	27583	318	211	TEACHERS NEC, EXC COLL, UNIVER

DETAILED OCCUPATIONAL EMPLOYMENT, CURRENT AND ANTICIPATED BY INDUSTRY DIVISION FOR CALIFORNIA

LINE NUMBER	OCCUPATIONAL CATEGORY	TOTAL ALL INDUSTRIES		AGRICULTURE, FORESTRY FISHERIES		MINING		CONSTRUCTION		MANUFACTURING	
		1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
107	WRITERS, ARTISTS, ENTERTAINERS	205928	231054	2778	3113	124	128	3122	3438	39531	43685
108	ACTORS	5699	6230	0	0	0	0	0	0	2	0
109	ATHLETES AND KINDRED WORKERS	13237	15743	2079	2410	0	0	7	0	5	0
110	AUTHORS	9015	9378	0	0	0	0	0	0	1194	1134
111	DANCERS	2858	3346	0	0	0	0	0	0	0	0
112	DESIGNERS	30366	33027	85	14	26	25	2359	2500	11674	12611
113	EDITORS AND REPORTERS	21892	25758	25	32	0	0	0	0	10380	12703
114	MUSICIANS AND COMPOSERS	26892	31185	0	0	0	0	0	0	141	167
115	PAINTERS AND SCULPTORS	35213	38786	0	0	0	0	431	497	5280	5024
116	PHOTOGRAPHERS	14133	14907	0	0	0	0	62	50	3048	3568
117	PUBLIC RELATIONS SPECIALISTS	21583	24555	86	77	98	103	290	329	2734	3034
118	RADIO, TV ANNOUNCERS	2800	3508	0	0	0	0	0	0	9	0
119	WRITERS, ARTISTS, ENTERTAIN NEC	22238	24621	503	579	0	0	72	62	5066	5444
120	OTHER PROFESSIONAL, TECHNICAL	490497	549129	5641	5993	1656	1515	5452	5756	51682	54811
121	ACCOUNTANTS	146843	163253	1258	1491	1201	1097	3765	4012	26189	28478
122	ARCHITECTS	12902	16489	1136	1088	0	0	586	701	246	306
123	ARCHIVISTS AND CURATORS	929	1002	0	0	0	0	0	0	0	0
124	CLERGY	23107	26318	0	0	0	0	0	0	4	0
125	RELIGIOUS WORKERS, EXC CLERGY	7597	9231	0	0	0	0	0	0	0	0
126	FARM MANAGEMENT ADVISORS	381	349	58	107	0	0	0	0	0	0
127	FORESTERS, CONSERVATIONISTS	4362	4712	2901	3085	0	0	4	3	143	134
128	HOME MANAGEMENT ADVISORS	354	319	0	0	0	0	0	0	73	58
129	JUDGES	1332	1332	0	0	0	0	0	0	0	0
130	LAWYERS	60612	67676	9	0	162	147	179	113	1052	889
131	LIBRARIANS	12438	13126	0	0	3	1	25	22	299	284
132	OPERATIONS, SYSTEMS RESEARCH	18691	21964	0	0	30	31	146	165	10997	12111
133	PERSONNEL LABOR RELATIONS	71390	82492	200	167	205	203	685	694	9871	10190
134	RESEARCH WORKERS, NEC	22919	22174	34	14	54	36	64	46	2698	2258
135	RECREATION WORKERS	26452	29823	45	42	0	0	0	0	14	0
136	SOCIAL WORKERS	61471	69160	0	0	0	0	0	0	0	0
137	VOCATIONAL, ED COUNSELORS	18716	19708	0	0	0	0	0	0	98	104
138	MANAGERS, OFFICIALS, PROPRIETORS	1199755	1375539	5708	5556	3402	3645	76544	74980	183362	208935
139	BUYERS, SALES, LOAN MANAGERS	239884	293614	785	889	600	666	4191	5110	35910	47448
140	BANK, FINANCIAL MANAGERS	72780	89073	29	26	49	46	249	270	2751	2982
141	CREDIT MANAGERS	7456	8299	0	0	27	32	72	60	1025	1127
142	BUYERS, SHIPPERS, FARM PROD	1817	2113	0	0	0	0	0	0	234	280
143	BUYERS, WHOLESALE, RETAIL	35643	45775	0	0	0	0	0	0	0	0
144	PURCHASING AGENTS, BUYERS, NEC	30838	36412	393	463	355	389	3078	3795	15556	18037
145	SALES MANAGER, RETAIL TRADE	37936	46516	0	0	0	0	0	0	0	0
146	SALES MANAGER, EXC RET TRADE	53414	65928	362	400	169	200	793	984	20344	25022
147	ADMINISTRATORS, PUB INSPECTORS	96268	103051	0	0	0	0	221	221	0	0
148	ASSESS, CONTROL, LOC PUB ADMIN	2897	3007	0	0	0	0	0	0	0	0
149	CONSTRUCTION INSPECTOR, PUB	3912	4453	0	0	0	0	0	0	0	0
150	HEALTH ADMINISTRATORS	17006	18961	0	0	0	0	0	0	0	0
151	INSPECTORS, EXC CONSTRUCT PUB	10956	11645	0	0	0	0	0	0	0	0
152	OFFICIALS, ADMINS, PUB	28134	29462	0	0	0	0	221	221	0	0
153	POSTMASTERS AND MAIL SUPER	1371	1349	0	0	0	0	0	0	0	0
154	SCHOOL ADMIN, COLLEGE	5627	5503	0	0	0	0	0	0	0	0
155	SCHOOL ADMIN, ELEM, SECONDARY	26362	28671	0	0	0	0	0	0	0	0
156	OTHER MANAGERS, OFFICIALS, PROPS	863603	978873	4924	4668	2802	2979	72132	69648	143453	161487
157	FUNERAL DIRECTORS	1660	1688	0	0	0	0	0	0	0	0
158	MGRS, SUPERINTENDANTS, BLDG	34994	43768	12	15	33	49	324	405	115	137
159	OFFICE MANAGERS, NEC	50259	61923	604	602	147	177	1915	2277	7039	8284
160	OFFICRS, PILOTS, PURSERS, SHIP	2636	2820	275	346	22	25	130	168	82	64
161	OFFICIALS OF LODGES, UNIONS	17046	18899	0	0	0	0	0	0	0	0
162	RAILROAD CONDUCTORS	2157	2564	0	0	0	0	0	0	0	0
163	RESTAURANT, CAFE, BAR MGRS	58909	65347	6	11	0	0	16	12	85	87
164	OTHER MGRS, ADMINISTRATORS	695941	781864	4027	3693	2599	2727	69747	66786	136132	152914
165	SALES WORKERS	902944	1050182	4837	5558	253	203	5494	6856	70987	80846
166	ADVERTISING AGENTS, SALES WKRS	12418	16125	4	0	12	13	5	0	3393	4120
167	AUCTIONEERS	634	712	18	8	0	0	0	0	5	0
168	DEMONSTRATORS	6044	7088	0	0	0	0	0	0	6	0
169	HUCKSTERS AND PEDDLERS	20544	19687	0	0	0	0	0	0	0	0
170	INSURANCE AGENTS, BROKERS, ETC	69783	82896	0	0	0	0	0	0	0	0
171	NEWSPAPER CARRIERS AND VENDORS	6415	6192	0	0	0	0	0	0	5241	5190
172	REAL ESTATE AGENTS, BROKERS	91502	111817	0	0	0	0	0	0	0	0
173	SALES REPRES, STOCK AND BONDS	13057	14130	0	0	0	0	0	0	0	0
174	SALES WORKERS, NEC	682548	791536	4814	5550	241	190	5490	6856	62342	71536
175	CLERICAL WORKERS	2160811	2486736	14839	15964	4795	5173	44394	47884	280891	319156
180	STENOGRAPHERS, TYPISTS, SECRE	690821	816745	5455	5945	1640	1765	15512	16942	99810	117819
181	SECRETARIES, LEGAL	25855	34236	0	0	43	52	48	56	209	258
182	SECRETARIES, MEDICAL	15960	21204	0	0	0	0	0	0	52	192
183	SECRETARIES, OTHER	470570	567513	4697	5151	1224	1329	12658	13928	80281	96702
184	STENOGRAPHERS	12260	10888	64	60	45	25	325	212	792	532
185	TYPISTS	166177	182903	694	735	328	359	2480	2744	18476	20135
186	OFFICE MACHINE OPERATORS	91438	91922	76	32	407	363	885	895	16892	15857
187	BOOKKEEPING, BILLING OPERATORS	7766	9213	0	0	18	9	161	198	654	615
188	CALCULATING MACHINE OPERATORS	3999	4558	3	0	26	24	14	18	521	465
189	COMPUTER, PERIPHERAL EQUIP	37578	41440	30	11	223	207	307	311	8296	8611
190	DUPLICATING MACHINE OPERATORS	4746	5089	4	3	18	19	93	104	1202	1168
191	KEYPUNCH OPERATORS	31153	25515	32	17	127	102	271	237	5269	4133
192	TABULATING MACHINE OPERATORS	335	347	0	0	1	1	0	0	88	67
193	OTHER OFFICE MACHINE OPERATORS	5865	5860	9	0	0	0	39	27	861	799
194	OTHER CLERICAL WORKERS	1378552	1578068	9305	9987	2748	3045	27997	30047	164189	185480
195	BANK TELLERS	52582	58767	0	0	0	0	0	0	0	0
196	BILLING CLERKS	20250	25688	30	22	85	102	369	464	4276	5356
197	BOOKKEEPERS, ACCOUNT CLERKS	257496	284326	5392	5863	870	939	9936	9812	36942	41431
198	CASHIERS	152829	186225	166	183	23	30	120	150	942	1099

TRANSPORTATION, COMMUNICATIONS, AND UTILITIES		TRADE		FINANCE, INSURANCE, AND REAL ESTATE		SERVICES		PUBLIC ADMINISTRATION		OCCUPATIONAL CATEGORY
1980	1985	1980	1985	1980	1985	1980	1985	1980	1985	
9154	10681	23320	26546	2786	3194	119852	133404	5261	6866	WRITERS, ARTISTS, ENTERTAINERS
157	154	269	378	0	0	5271	5699	0	0	ACTORS
8	3	604	701	0	0	10076	11883	459	745	ATHLETES AND KINDRED WORKERS
145	144	27	36	0	0	7485	7794	203	270	AUTHORS
3	0	1883	2262	0	0	970	1084	2	0	DANCERS
779	912	4548	5125	187	224	10325	10999	485	628	DESIGNERS
1755	2203	943	1041	166	181	7941	8798	683	799	EDITORS AND REPORTERS
150	140	7918	9153	0	0	18561	21615	123	111	MUSICIANS AND COMPOSERS
273	241	2488	2784	0	0	26136	29429	604	811	PAINTERS AND SCULPTORS
277	353	282	266	40	54	9703	9664	721	952	PHOTOGRAPHERS
2173	2364	2217	2464	2207	2511	10429	11865	1351	1809	PUBLIC RELATIONS SPECIALISTS
2617	3295	16	0	0	0	159	213	0	0	RADIO, TV ANNOUNCERS
817	872	2128	2336	186	224	12834	14363	632	741	WRITERS, ARTISTS, ENTERTAIN NEC
12175	12335	24802	25749	22100	24732	310551	354918	56438	63320	OTHER PROFESSIONAL, TECHNICAL
6022	6230	15317	16184	13303	14862	63656	73869	16133	17030	ACCOUNTANTS
55	48	122	130	158	198	10028	13171	571	846	ARCHITECTS
0	0	190	206	0	0	713	782	25	14	ARCHIVISTS AND CURATORS
0	0	0	0	8	0	22994	26178	101	141	CLERGY
0	0	0	0	0	0	7594	9231	3	0	RELIGIOUS WORKERS, EXC CLERGY
0	0	0	0	0	0	319	242	3	0	FARM MANAGEMENT ADVISORS
209	260	13	13	0	0	104	84	969	1134	FORESTERS, CONSERVATIONISTS
128	114	43	34	0	0	105	109	5	4	HOME MANAGEMENT ADVISORS
0	0	0	0	0	0	0	0	1332	1332	JUDGES
555	532	368	352	1902	1926	46761	53014	9624	10703	LAWYERS
42	48	137	170	79	98	11466	12026	388	479	LIBRARIANS
803	811	664	744	1023	1287	3321	4537	1707	2278	OPERATIONS, SYSTEMS RESEARCH
4219	4190	7541	7609	4658	5472	35227	43031	8785	10936	PERSONNEL LABOR RELATIONS
107	63	394	302	799	707	17937	18057	832	690	RESEARCH WORKERS, NEC
0	0	0	0	74	74	20768	23656	5552	6052	RECREATION WORKERS
21	23	0	0	65	76	51729	58070	9657	10992	SOCIAL WORKERS
16	17	11	6	33	32	17829	18860	729	691	VOCATIONAL, ED COUNSELORS
62894	71725	398118	458034	144339	175861	273803	321887	51585	54917	MANAGERS, OFFICIALS, PROPRIETORS
4030	4347	99878	122754	71479	87992	16080	21183	2933	3225	BUYERS, SALES, LOAN MANAGERS
281	263	1803	2008	65009	80185	2490	3142	119	151	BANK, FINANCIAL MANAGERS
97	92	3959	4356	1385	1553	892	1079	0	0	CREDIT MANAGERS
0	0	1583	1833	0	0	0	0	0	0	BUYERS, SHIPPERS, FARM PROD
0	0	35643	45775	0	0	0	0	0	0	BUYERS, WHOLESALE, RETAIL
1290	1279	0	0	1074	1339	6420	8181	2673	2929	PURCHASING AGENTS, BUYERS, NEC
0	0	37936	46516	0	0	0	0	0	0	SALES MANAGER, RETAIL TRADE
2363	2714	18954	22367	4011	4915	6278	8780	141	145	SALES MANAGER, EXC RET TRADE
0	0	0	0	0	0	48996	53135	47051	49695	ADMINISTRATORS, PUB INSPECTORS
0	0	0	0	0	0	0	0	2897	3007	ASSESS, CONTROL, LOC PUB ADMIN
0	0	0	0	0	0	0	0	3912	4453	CONSTRUCTION INSPECTOR, PUB
0	0	0	0	0	0	17006	18961	0	0	HEALTH ADMINISTRATORS
0	0	0	0	0	0	0	0	10958	11645	INSPECTORS, EXC CONSTRUCT PUB
0	0	0	0	0	0	0	0	27913	29240	OFFICIALS, ADMINS, PUB
0	0	0	0	0	0	0	0	1371	1349	POSTMASTERS AND MAIL SUPER
0	0	0	0	0	0	5627	5503	0	0	SCHOOL ADMIN, COLLEGE
0	0	0	0	0	0	26362	28671	0	0	SCHOOL ADMIN, ELEM, SECONDARY
58864	67378	298240	335280	72860	87869	208728	247569	1602	1996	OTHER MANAGERS, OFFICIALS, PROPS
0	0	0	0	0	0	1660	1688	0	0	FUNERAL DIRECTORS
92	110	147	189	32204	40194	1654	2119	413	550	MGRS, SUPERINTENDANTS, BLDG
3324	3718	12107	14238	7246	9352	16802	21930	1076	1345	OFFICE MANAGERS, NEC
1550	1576	54	53	44	61	415	476	64	52	OFFICERS, PILOTS, PURSERS, SHIP
0	0	0	0	0	0	17046	18899	0	0	OFFICIALS OF LODGES, UNIONS
2157	2564	0	0	0	0	0	0	0	0	RAILROAD CONDUCTORS
53	49	53401	59551	6	7	5314	5601	28	28	RESTAURANT, CAFE, BAR MGRS
51688	59361	232532	261248	33360	38255	165836	196856	22	22	OTHER MGRS, ADMINISTRATORS
7323	7617	604598	693590	175093	209851	33770	45220	591	441	SALES WORKERS
2217	2747	717	737	98	128	5971	8381	0	0	ADVERTISING AGENTS, SALES WKRS
0	0	383	455	12	14	216	234	0	0	AUCTIONEERS
39	44	5181	5436	0	0	898	1608	0	0	DEMONSTRATORS
0	0	20132	19418	0	0	412	269	0	0	HUCKSTERS AND PEDDLERS
0	0	0	0	69783	82896	0	0	0	0	INSURANCE AGENTS, BROKERS, ETC
0	0	1174	1002	0	0	0	0	0	0	NEWSPAPER CARRIERS AND VENDORS
0	0	0	0	91502	111817	0	0	0	0	REAL ESTATE AGENTS, BROKERS
0	0	0	0	13057	14130	0	0	0	0	SALES REPRES, STOCK AND BONDS
5067	4826	577090	666542	692	866	26272	34728	591	441	SALES WORKERS, NEC
149715	157137	435472	511062	282644	330771	762832	904582	185229	195006	CLERICAL WORKERS
29004	33018	73018	85807	91855	110411	320553	384689	53973	60350	STENOGRAPHERS, TYPISTS, SECRE
132	155	81	104	589	662	23817	31697	1016	1251	SECRETARIES, LEGAL
17	14	82	117	27	14	15722	20795	60	72	SECRETARIES, MEDICAL
17345	20627	57320	68447	67617	83167	204842	247068	24586	31095	SECRETARIES, OTHER
681	489	501	419	1090	857	4683	4597	4079	3696	STENOGRAPHERS
10830	11731	15034	16720	22612	25711	71489	80533	24233	24236	TYPISTS
4962	4261	12794	12421	16507	18056	29721	31593	9192	8446	OFFICE MACHINE OPERATORS
199	172	1347	1532	3981	5050	1316	1569	96	68	BOOKKEEPING, BILLING OPERATORS
168	134	1726	2090	792	954	606	771	143	103	CALCULATING MACHINE OPERATORS
2389	2418	3679	3632	5683	6582	12887	15197	4081	4472	COMPUTER, PERIPHERAL EQUIP
109	84	294	309	267	282	2468	2868	293	250	DUPLICATING MACHINE OPERATORS
1890	1287	4602	3818	4668	4051	10176	8799	4117	3070	KEYPUNCH OPERATORS
25	14	61	40	61	36	71	65	27	24	TABULATING MACHINE OPERATORS
182	151	1084	1000	1056	1100	2198	2324	435	459	OTHER OFFICE MACHINE OPERATORS
115749	119860	349660	412834	174282	202304	412558	488300	122063	126210	OTHER CLERICAL WORKERS
0	0	0	0	52583	58767	0	0	0	0	BANK TELLERS
2266	2551	6699	8412	740	914	5550	7611	234	256	BILLING CLERKS
12176	13633	83632	92247	26351	27822	73919	85535	8278	7025	BOOKKEEPERS, ACCOUNT CLERKS
2574	2804	123684	152077	3238	3436	20300	24544	1781	1903	CASHIERS

DETAILED OCCUPATIONAL EMPLOYMENT, CURRENT AND ANTICIPATED BY INDUSTRY DIVISION FOR CALIFORNIA

LINE NUMBER	OCCUPATIONAL CATEGORY	TOTAL ALL INDUSTRIES		AGRICULTURE, FORESTRY FISHERIES		MINING		CONSTRUCTION		MANUFACTURING	
		1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
199	CLERICAL ASSIST, SOC WELFARE	3546	4194	0	0	0	0	0	0	0	0
200	CLERICAL SUPERVISORS, NEC	23719	26924	11	12	47	52	215	245	1687	1876
201	COLLECTORS, BILL AND ACCOUNT	11051	12837	0	0	8	0	47	51	184	174
202	COUNTER CLERKS, EXC FOOD	43790	52346	160	206	17	19	133	164	5532	6562
203	DISPATCHER, STARTER, VEHICLE	10745	12599	13	13	141	155	299	363	858	944
204	ENUMERATORS AND INTERVIEWERS	6172	6878	0	0	0	0	0	0	83	94
205	ESTIMATORS, INVESTIGATORS, NEC	61107	65953	276	297	177	172	9134	9515	5730	5497
206	EXPEDITORS, PROD CONTROLLERS	37033	43287	3	2	183	203	1169	1478	24776	28594
207	FILE CLERKS	53450	59332	250	295	191	220	601	683	6814	7452
208	INSURANCE ADJUST, EXAM	23811	28515	0	0	0	0	0	0	45	47
209	LIBRARY ATTENDANTS, ASSISTANT	19244	19197	5	3	0	0	15	14	142	108
210	MAIL CARRIERS, POST OFFICE	26403	27271	0	0	0	0	0	0	0	0
211	MAIL HANDLER, EXC POST OFFICE	18774	21726	9	0	97	100	254	300	3225	3576
212	MESSENGERS AND OFFICE HELPERS	6144	6041	2.	11	0	0	170	184	746	737
213	METER READERS, UTILITIES	2860	2823	0	0	0	0	0	0	0	0
214	PAYROLL, TIME KEEPING CLERKS	21443	23177	775	952	103	114	1273	1388	5610	5803
215	POSTAL CLERKS	28843	27997	0	0	0	0	0	0	0	100
216	PROOFREADERS	2485	3187	0	0	0	0	0	0	2485	3187
217	REAL ESTATE APPRAISERS	6466	7528	0	0	11	11	260	315	0	0
218	RECEPTIONISTS	70771	80760	1075	868	57	56	661	748	3312	3519
219	SHIPPING, RECEIVING CLERKS	61567	70108	176	163	115	139	298	347	23832	26614
220	STATISTICAL CLERKS	41559	45821	222	229	92	100	461	528	6186	6713
221	STOCK CLERKS, STORE KEEPERS	61842	69137	261	328	91	94	1011	1240	14943	15980
222	TEACHERS AIDES, EXC MONITORS	74220	81735	0	0	0	0	0	0	0	0
223	TELEGRAPH MESSENGERS	320	212	0	0	0	0	0	0	0	0
224	TELEGRAPH OPERATORS	633	584	0	0	0	0	0	0	4	0
225	TELEPHONE OPERATORS	51654	51060	32	19	133	155	231	255	2710	2772
226	TICKET STATION, EXPRESS AGENTS	15249	16195	0	0	0	0	0	0	0	0
227	WEIGHERS	3564	3646	258	291	90	91	166	196	1816	1658
228	MISC CLERICAL WORKERS, NEC	106938	152083	168	211	217	291	1173	1607	11312	15589
229	CRAFTS AND KINDRED WORKERS	1353833	1503689	15547	17179	9577	10578	306870	333602	417859	458871
230	CONSTRUCTION CRAFTS WORKERS	362734	399607	4615	5432	2163	2477	244149	265561	44238	49013
231	CARPENTERS	102190	111212	1280	1584	86	104	72204	76935	13576	15400
233	BRICKMASONS AND STONEMASONS	8289	8423	50	33	32	28	7341	7511	581	565
235	BULLDOZER OPERATORS	10084	11666	894	872	209	235	4550	5548	1756	1933
236	CEMENT AND CONCRETE FINISHERS	14658	18043	18	23	0	0	13748	16773	253	336
237	ELECTRICIANS	66968	72319	632	794	524	595	35129	38586	13547	14397
239	EXCAVATING, GRADING, MACH OP	25028	26019	529	603	835	918	19489	21555	931	961
240	FLOOR LAYERS, EXC TILE SETTERS	1548	1649	0	0	0	0	1136	1241	133	171
241	PAINTERS, CONSTRUCTION, MAINT	51887	55931	329	427	66	71	30185	29923	4629	5253
243	PAPERHANGERS	1417	1644	0	0	0	0	1357	1604	5	0
244	PLASTERERS	6241	5882	3	0	0	0	5857	5434	31	39
246	PLUMBERS AND PIPEFITTERS	48438	55265	378	1097	411	526	31066	34746	6166	7353
248	ROOFER AND SLATERS	11968	13612	3	0	8	0	11737	13400	117	118
249	STRUCTURAL METAL CRAFT	8591	10108	0	0	0	0	5809	7310	2348	2315
250	TILESETTERS	5425	5834	0	0	0	0	4530	4994	165	173
251	BLUE COLLAR WKRS SUPVR, NEC	210206	236324	4663	4707	2869	3218	19779	20643	103589	116173
252	METAL CRAFTS WORKERS, EXC MECH	134236	146024	63	27	444	565	10069	11259	106529	114844
253	BLACKSMITHS	889	780	13	3	1	0	14	12	181	148
254	BOILERMAKERS	3103	3703	0	0	40	52	367	410	1796	2036
255	HEAT TREATERS, ANNEALERS, ETC	1231	1216	0	0	0	0	3	0	1198	1177
256	FORGE AND HAMMER OPERATORS	1478	1575	0	0	7	3	9	5	1424	1537
257	JOB AND DIE SETTERS, METAL	3884	4385	0	0	7	8	0	0	3851	4350
258	MACHINISTS	62365	68058	47	24	349	451	756	892	51605	55763
260	MILLWRIGHTS	4983	5284	3	0	21	26	693	748	3703	3918
261	MOLDERS, METAL	5188	5384	0	0	0	0	0	0	5188	5384
263	PATTERN AND MODEL MAKERS	4208	4913	0	0	0	0	42	52	3451	3833
264	ROLLERS AND FINISHERS, METAL	858	881	0	0	0	0	2	0	856	881
265	SHEET METAL WORKERS, TINSMITHS	23407	24968	0	0	0	0	8179	9140	11659	12028
267	TOOL, DIEMAKERS	22642	24877	0	0	20	23	4	0	21619	23788
269	MECHANICS, REPAIRERS, INSTAL	372418	425865	5054	5695	2619	2765	15180	17158	72029	81218
270	AIR COND, HEATING, REFRIG	18450	23820	32	27	0	0	5513	6844	2287	2940
271	AIRCRAFT MECHANICS	29889	33109	81	43	11	14	0	0	9363	11241
272	AUTO ACCESSORIES INSTALR	1619	1772	0	0	9	9	2	0	17	14
273	AUTO BODY REPAIRERS	15111	17391	0	0	0	0	7	8	142	140
274	AUTO MECHANICS	119119	135679	416	347	427	418	877	869	4830	4538
276	DATA PROCESSING MACH REPAIRERS	11627	16443	0	0	11	14	8	0	4084	5704
277	FARM IMPLEMENT	4656	5643	1102	1519	0	0	0	0	120	170
278	HEAVY EQUIP MECH, INCL DIESEL	85670	91917	3354	3718	1898	2038	6581	6923	40503	43609
279	HOUSEHOLD APPLIANCE MECHANICS	21496	24519	0	0	0	0	1419	1635	1722	1873
281	OFFICE MACHINE REPAIRERS	7316	9500	0	0	0	0	0	0	634	831
282	RADIO, TELEVISION REPAIRERS	19833	24462	8	9	36	36	151	149	2575	3936
283	RAILROAD, CAR SHOP REPAIRERS	3410	3613	0	0	14	16	0	0	114	158
284	OTHER MECHANICS	34273	37997	61	33	224	219	621	729	5640	6065
286	PRINTING TRADE CRAFTS WORKERS	42292	44932	0	0	19	19	141	137	36617	39304
287	BOOKBINDERS	3496	3749	0	0	0	0	0	0	3110	3423
288	COMPOSITORS AND TYPESETTERS	13452	12127	0	0	0	0	40	39	10715	10484
289	ELECTROTYPERS, STEREOTYPERS	413	393	0	0	0	0	2	0	402	393
290	ENGRAVERS EXC PHOTOENGRAVERS	868	818	0	0	0	0	22	23	592	532
291	PHOTOENGRAVERS, LITHOGRAPHERS	5532	6365	0	0	0	0	6	0	5205	6109
293	PRESS WRKRS AND PLATE PRINTERS	19531	21481	0	0	19	19	71	75	16593	18362
295	TRANSPORTATION, PUB UTIL CRAFT	55509	59871	15	16	70	89	1470	1538	3377	3933
296	ELEC PWR LINE INSTAL, REPAIRERS	8679	9348	0	0	10	4	802	810	64	61
297	LOCOMOTIVE ENGINEERS	3150	3751	0	0	0	0	0	0	96	113
298	LOCOMOTIVE ENGINEERS HELPERS	155	124	0	0	0	0	0	0	17	17
299	POWER STATION OPERATORS	1318	1386	0	0	0	0	8	6	77	62
300	TELEPHONE INSTALLERS, REPAIRERS	35704	38711	15	16	56	66	562	618	3038	3578
301	TELEPHONE LINE INSTAL, SPLICERS	6503	6550	0	0	4	0	97	103	86	102

TRANSPORTATION, COMMUNICATIONS, AND UTILITIES		TRADE		FINANCE, INSURANCE, AND REAL ESTATE		SERVICES		PUBLIC ADMINISTRATION		OCCUPATIONAL CATEGORY
1980	1985	1980	1985	1980	1985	1980	1985	1980	1985	
0	0	0	0	0	0	3540	4104	0	0	CLERICAL ASSIST, SOC WELFARE
2572	2644	2436	2895	3974	4958	6295	8235	6482	6008	CLERICAL SUPERVISORS, NEC
572	509	1854	2072	4321	5111	3956	4814	111	106	COLLECTORS, BILL AND ACCOUNT
1596	1646	14095	16693	413	496	21392	25967	453	593	COUNTER CLERKS, EXC FOOD
3759	4061	2393	2940	108	136	2261	3049	913	940	DISPATCHER, STARTER, VEHICLE
0	0	6	0	0	0	3386	4796	2696	1988	ENUMERATORS AND INTERVIEWERS
5829	5004	9697	10094	12194	13372	11815	14003	6255	7997	ESTIMATORS, INVESTIGATORS, NEC
1847	1842	3041	3712	681	820	2299	3181	3034	3454	EXPEDITORS, PROD CONTROLLERS
3626	3878	7503	8221	9185	10327	18525	20955	6754	7302	FILE CLERKS
41	37	18	15	22320	27097	1268	1202	118	116	INSURANCE ADJUST, EXAM
21	13	132	116	126	127	18610	18613	193	203	LIBRARY ATTENDANTS, ASSISTANT
0	0	0	0	0	0	0	0	26403	27271	MAIL CARRIERS, POST OFFICE
1389	1405	3226	3679	2893	3330	6584	8206	1097	1130	MAIL HANDLER, EXC POST OFFICE
459	406	650	648	914	791	2898	2953	285	311	MESSENGERS AND OFFICE HELPERS
2860	2823	0	0	0	0	0	0	0	0	METER READERS, UTILITIES
2734	2862	2953	3333	929	876	4880	5441	2187	2409	PAYROLL, TIME KEEPING CLERKS
0	0	0	0	0	0	0	0	28843	27897	POSTAL CLERKS
0	0	0	0	0	0	0	0	0	0	PROOFREADERS
43	48	20	8	4229	5258	263	320	1640	1568	REAL ESTATE APPRAISERS
957	961	4687	5323	2931	3555	55150	63281	1941	2450	RECEPTIONISTS
6520	7589	26163	30366	232	274	2920	3342	1313	1273	SHIPPING, RECEIVING CLERKS
7143	6973	4432	5127	6390	7042	10544	12616	6088	6491	STATISTICAL CLERKS
2629	2187	27144	30865	951	1209	9977	12238	4836	4996	STOCK CLERKS, STORE KEEPERS
0	0	0	0	0	0	74113	81634	107	101	TEACHERS AIDES, EXC MONITORS
320	212	0	0	0	0	0	0	0	0	TELEGRAPH MESSENGERS
589	572	6	0	0	0	34	12	0	0	TELEGRAPH OPERATORS
25390	22801	4362	4778	1775	1657	15693	17586	1328	1036	TELEPHONE OPERATORS
15249	16195	0	0	0	0	0	0	0	0	TICKET STATION, EXPRESS AGENTS
254	267	664	747	4	0	243	321	69	75	WEIGHERS
12333	15938	20163	28469	16803	24930	36143	53741	8625	11309	MISC CLERICAL WORKERS, NEC
139150	153181	204317	232304	7821	8995	210110	245968	42581	43010	CRAFTS AND KINDRED WORKERS
13077	14326	10592	11743	3489	4414	30004	35426	10408	11216	CONSTRUCTION CRAFTS WORKERS
1605	1952	2759	2968	920	1176	7852	8856	1908	2237	CARPENTERS
38	36	71	49	31	40	93	116	52	46	BRICKMASONS AND STONEMASONS
869	793	938	1230	114	145	477	618	277	292	BULLDOZER OPERATORS
25	14	57	56	13	20	420	638	123	184	CEMENT AND CONCRETE FINISHERS
5628	5984	1601	1618	222	258	5941	6327	3745	3760	ELECTRICIANS
1152	1255	202	224	89	113	1132	1561	669	829	EXCAVATING, GRADING, MACH OP
0	0	250	222	8	9	17	5	4	0	FLOOR LAYERS, EXC TILE SETTERS
938	943	2206	2645	1694	2127	9978	12797	1862	1746	PAINTERS, CONSTRUCTION, MAINT
0	0	13	4	13	15	20	20	0	0	PAPERHANGERS
0	0	45	42	0	0	266	305	39	62	PLASTERERS
2718	3252	1624	1912	351	463	3504	3856	1709	2061	PLUMBERS AND PIPEFITTERS
0	0	46	38	27	42	29	24	8	0	ROOFER AND SLATERS
102	98	138	155	6	5	183	224	5	0	STRUCTURAL METAL CRAFT
0	0	631	589	0	0	92	79	6	0	TILESETTERS
22632	27503	34172	38811	1718	1747	14909	17493	5875	6030	BLUE COLLAR WKRS SUPVR, NEC
3129	3273	4885	5540	8	6	5812	6880	3298	3631	METAL CRAFTS WORKERS, EXC MECH
24	13	15	4	8	6	614	576	19	18	BLACKSMITHS
393	556	112	130	0	0	356	489	45	30	BOILERMAKERS
0	0	0	0	0	0	30	39	0	0	HEAT TREATERS, ANNEALERS, ETC
26	19	12	10	0	0	0	0	0	0	FORGE AND HAMMER OPERATORS
6	3	0	0	0	0	20	24	0	0	JOB AND DIE SETTERS, METAL
1796	1834	3118	3533	0	0	3423	4173	1270	1387	MACHINISTS
181	207	257	279	0	0	96	98	29	7	MILLWRIGHTS
0	0	0	0	0	0	0	0	0	0	MOLDERS, METAL
7	0	88	100	0	0	198	279	422	649	PATTERN AND MODEL MAKERS
0	0	0	0	0	0	8	0	0	0	ROLLERS AND FINISHERS, METAL
640	576	910	1023	0	0	664	765	1355	1436	SHEET METAL WORKERS, TINSMITHS
54	62	372	462	0	0	411	437	163	105	TOOL, DIEMAKERS
40707	45062	102876	117004	1256	1492	113519	137116	19180	18355	MECHANICS, REPAIRERS, INSTAL
1288	1660	3569	4736	264	386	4234	5453	1264	1775	AIR COND, HEATING, REFRIG
14386	16757	556	629	0	0	612	637	4880	3789	AIRCRAFT MECHANICS
0	0	439	476	0	0	1145	1273	8	0	AUTO ACCESSORIES INSTALR
107	90	4521	5065	0	0	10232	11981	103	107	AUTO BODY REPAIRERS
9113	10010	50230	56266	51	44	49672	59732	3502	3454	AUTO MECHANICS
123	148	1900	2488	141	226	5209	7653	150	209	DATA PROCESSING MACH REPAIRERS
26	35	2299	2270	0	0	1106	1649	3	0	FARM IMPLEMENT
3793	3966	12883	13342	439	427	11874	13522	4355	4373	HEAVY EQUIP MECH, INCL DIESEL
5095	5333	6694	7795	80	85	6244	7637	192	161	HOUSEHOLD APPLIANCE MECHANICS
115	144	3630	4713	209	242	2568	3350	160	221	OFFICE MACHINE REPAIRERS
1359	1666	5245	6425	4	0	8460	10425	2005	1814	RADIO, TELEVISION REPAIRERS
2159	3277	24	27	0	0	64	94	36	41	RAILROAD, CAR SHOP REPAIRERS
2141	1976	10886	12772	79	82	12101	13710	2521	2411	OTHER MECHANICS
228	251	1348	1352	370	362	2707	2554	862	954	PRINTING TRADE CRAFTS WORKERS
3	0	40	31	15	7	281	239	48	49	BOOKBINDERS
107	118	377	351	134	129	875	747	204	257	COMPOSITORS AND TYPESETTERS
0	0	7	0	0	0	1	0	0	0	ELECTROTYPERS, STEREOTYPERS
0	0	228	243	0	0	9	1	17	19	ENGRAVERS EXC PHOTOENGRAVERS
0	0	96	84	0	0	176	104	48	68	PHOTOENGRAVERS, LITHOGRAPHERS
117	133	600	643	221	226	1366	1462	544	561	PRESS WKRS AND PLATE PRINTERS
47238	49998	1086	1241	18	20	1545	2109	689	927	TRANSPORTATION, PUB UTIL CRAFT
7554	8174	73	93	3	0	50	44	124	163	ELEC PWR LINE INSTAL, REPAIRERS
3017	3612	10	11	0	0	9	0	18	15	LOCOMOTIVE ENGINEERS
138	108	0	0	0	0	0	0	0	0	LOCOMOTIVE ENGINEERS HELPERS
1071	1034	38	59	0	0	7	0	117	224	POWER STATION OPERATORS
29328	30948	936	1030	15	20	1351	1902	413	511	TELEPHONE INSTALLERS, REPAIRERS
6129	6122	39	48	0	0	128	163	18	13	TELEPHONE LINE INSTAL, SPLICERS

DETAILED OCCUPATIONAL EMPLOYMENT, CURRENT AND ANTICIPATED BY INDUSTRY DIVISION FOR CALIFORNIA

LINE NUMBER	OCCUPATIONAL CATEGORY	TOTAL ALL INDUSTRIES		AGRICULTURE, FORESTRY FISHERIES		MINING		CONSTRUCTION		MANUFACTURING	
		1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
302	OTHER CRAFTS, KINDRED WORKERS	176438	191066	1138	1301	1392	1445	16083	17307	51479	54387
303	BAKERS	14455	15321	0	0	0	0	0	0	4495	4680
304	CABINETMAKERS	12400	12829	0	0	0	0	466	422	8366	8831
305	CARPET INSTALLERS	10650	11500	0	0	0	0	5599	5794	225	260
306	CRANE, DERRICK, AND HOIST OPR	11653	13531	432	607	399	475	2253	2418	5533	6768
307	DECORATORS, WINDOW DRESSERS	16422	19814	157	95	0	0	59	81	353	474
308	DENTAL LABORATORY TECH	7184	7384	0	0	0	0	0	0	593	760
309	FURNITURE AND WOOD FINISH	3060	3221	0	0	0	0	0	0	1004	884
310	FURRIERS	190	179	0	0	0	0	0	0	63	53
311	GLAZIERS	6998	8304	3	0	0	0	2568	3173	741	837
312	INSPECTORS, LOG AND LUMBER	2651	2599	65	70	0	0	0	0	2365	2391
313	INSPECTORS, OTHER	14001	14435	200	197	156	175	2490	2619	1654	1840
314	JEWELERS AND WATCHMAKERS	4704	5422	0	0	0	0	0	0	988	1400
315	MILLERS, GRAIN, FLOUR, FEED	413	489	0	0	0	0	0	0	413	489
316	MOTION PICTURE PROJECTIONISTS	3465	3994	0	0	0	0	0	0	0	0
317	OPTICIANS, LENS GRINDR, POLISHR	7617	9578	0	0	0	0	0	0	2448	2939
318	PIANO, ORGAN TUNERS, REPAIRERS	959	1082	0	0	0	0	0	0	50	60
319	SHIPFITTERS	1412	1497	0	0	0	0	0	0	1339	1436
320	SHOE REPAIRERS	2844	2876	0	0	0	0	0	0	400	398
321	SIGN PAINTERS AND LETTERERS	3795	4278	7	7	0	0	69	85	262	174
322	STATIONARY ENGINEERS	17098	16632	214	255	773	727	344	198	3795	3268
323	STONE CUTTERS, STONE CARVERS	502	516	0	0	4	3	26	25	376	413
324	TAILORS	8619	9517	0	0	0	0	0	0	4558	5236
325	UPHOLSTERERS	11406	11711	0	0	0	0	0	0	5011	4716
326	CRAFTS AND KINDRED WRKRS, NEC	13939	14357	59	71	60	64	2209	2492	6448	6079
329	OPERATIVES	1339469	1502725	16711	17542	14147	15075	46243	51366	734131	833847
330	OPERATIVES, EXC TRANSPORT	985485	1113937	9740	10163	10738	11166	33726	39678	669126	760822
331	SEMISKILLED METALWORKING	128784	140372	2647	2285	1133	1272	10106	12340	97690	105932
332	DRILL PRESS OPERATIVES	5616	5508	0	0	0	0	40	42	5457	5355
333	FURNACE TENDRS, SMELTRS, POURERS	3738	4078	0	0	0	0	0	0	3694	4028
334	GRINDING MACHINE OPERATIVES	10151	10295	0	0	31	29	44	56	9155	9273
335	HEATERS, METAL	230	212	0	0	0	0	0	0	230	212
336	LATHE, MILLING MACH OPERATIVES	11738	13063	3	4	37	33	232	262	10935	12166
337	METAL PLATERS	6360	6913	0	0	0	0	0	0	5946	6468
338	OTHER PRECISION MACH OPR	4274	5344	0	0	0	0	50	68	4087	5092
339	PUNCH STAMPING PRESS OPR	10998	11840	21	21	0	0	3	0	10700	11509
340	SOLDERERS	4758	4044	0	0	0	0	32	40	4423	3701
341	WELDERS AND FLAME CUTTERS	70903	79075	2623	2260	1065	1210	9705	11874	43062	48128
342	SEMISKILLED TEXTILE	4052	4010	0	0	0	0	0	0	4052	4010
347	OTHER TEXTILE OPERATIVES	4052	4010	0	0	0	0	0	0	4052	4010
348	SEMISKILLED PACKING, INSPECTNG	154751	182572	4111	4796	54	49	0	0	115711	136903
349	CHECKERS, EXAMINERS, ETC, MFG	67489	80001	0	0	0	0	0	0	67489	80001
350	GRADERS AND SORTERS, MFG	6365	6933	0	0	0	0	0	0	6365	6933
351	MEAT WRAPPERS, RETAIL TRADE	5054	5752	0	0	0	0	0	0	0	0
352	PACKER, WRAPPER, NEC	65843	78082	3884	4608	54	49	0	0	41857	49969
353	PROD GRDR, PACKER, EXC FACT, FAR	10001	11804	227	188	0	0	0	0	0	0
354	OTHER OPERATIVES, EXC TRANSPORT	697897	786982	2983	3083	9551	9845	23620	27338	451673	513977
355	ASBESTOS, INSULATION WORKERS	2822	3541	0	0	0	0	2214	2810	446	532
356	ASSEMBLERS	169348	201683	16	0	48	65	846	1089	161211	191509
357	BLASTERS	367	395	0	0	100	107	133	147	48	37
358	BOTTLING, CANNING OPERATIVES	11837	12954	7	9	0	0	0	0	11048	11987
359	SURVEYOR HELPERS	1038	1136	0	0	23	27	188	192	37	52
360	CLOTHING IRONERS AND PRESSERS	12663	13477	0	0	0	0	0	0	3661	4056
361	CUTTING OPERATIVES, NEC	16514	18671	37	37	31	34	262	325	13414	14832
362	DRESSMAKERS, EXC FACTORY	15790	16408	3	0	0	0	0	0	0	0
363	DRILLERS, EARTH	3754	4035	103	155	1365	1554	1425	1396	760	814
364	DRY WALL INSTALLERS, LATHERS	14651	17344	0	0	0	0	14374	17033	6	0
365	DYERS	893	1086	0	0	0	0	0	0	751	916
366	FILER, POLISHER, SANDER, BUFFER	10156	10927	0	0	0	0	173	220	8756	9233
367	GARAGE WORKERS, GAS STAT ATTEN	47714	49452	3	2	20	21	124	153	147	147
368	LAUNDRY, DRY CLEAN OP, NEC	15918	17578	1	0	0	0	0	0	84	85
369	MEAT CUTTERS, BUTCHERS, EXC MFG	27440	28199	47	4	0	0	0	0	0	0
370	MEAT CUTTERS, BUTCHERS, MFG	8740	9438	0	0	0	0	0	0	8740	9438
371	MILLERS	153	131	0	0	0	0	0	0	6	0
372	MINE OPERATIVES, NEC	7535	7566	0	0	7535	7566	0	0	0	0
373	MIXING OPERATIVES	6777	7386	103	98	9	10	126	179	5902	6351
374	OILERS, GREASERS, EXC AUTO	3596	3474	0	0	238	256	774	621	1795	1920
375	PAINTERS, MFG ARTICLES	13440	16518	0	0	0	0	0	0	7863	8892
376	PHOTOGRAPHIC PROCESS WORKERS	18252	22456	6	8	23	14	199	235	3476	4272
377	RIVETERS AND FASTENERS	1999	2138	0	0	0	0	51	73	1801	1893
378	SAILORS AND DECKHANDS	3442	3794	0	0	49	65	26	8	80	93
379	SAWYERS	11076	11772	26	13	8	9	278	278	9967	10687
380	SEWERS AND STITCHERS	74192	88632	0	0	0	0	0	0	70018	83255
381	SHOEMAKING MACHINE OPR	912	933	0	0	0	0	0	0	912	933
382	FURNACE TENDR, STOKR, EXC METAL	4166	4150	161	216	98	115	59	53	2235	2237
383	WINDING OPERATIVES, NEC	5522	6649	0	0	3	0	122	103	4770	5743
384	MISC MACH OPERATIVES	107932	118831	1310	1453	0	0	1024	1059	90342	98759
385	OPERATIVES, NEC	79257	86223	1160	1087	0	0	1222	1305	43398	45305
386	TRANSPORT EQUIPMENT OPERATIVES	353984	388789	6971	7379	3409	3909	12517	11688	65005	73025
387	BOAT OPERATORS	441	429	75	88	6	6	11	9	35	24
388	BUS DRIVERS	36323	38454	0	0	0	0	0	0	58	30
389	CONDUCTORS AND OPR, URBAN RAIL	781	798	0	0	0	0	0	0	0	0
390	DELIVERY AND ROUTE WORKERS	90066	103817	2411	2765	238	283	979	1107	17413	20045
391	FORK LIFT, TOW MOTOR OPR	41191	47025	490	470	182	198	851	1030	23698	26604
392	RAIL VEHICLE OPERATORS, NEC	141	155	0	0	23	21	31	39	74	85
393	PARKING ATTENDANTS	8421	8662	0	0	0	0	10	0	28	24

TRANSPORTATION, COMMUNICATIONS, AND UTILITIES		TRADE		FINANCE, INSURANCE, AND REAL ESTATE		SERVICES		PUBLIC ADMINISTRATION		OCCUPATIONAL CATEGORY
1980	1985	1980	1985	1980	1985	1980	1985	1980	1985	
12141	12769	49358	56614	963	954	41615	44391	2269	1897	OTHER CRAFTS, KINDRED WORKERS
66	76	8082	8761	0	0	1768	1759	43	45	BAKERS
43	48	2640	2619	10	12	756	711	119	186	CABINETMAKERS
4	0	4543	5095	31	29	240	322	8	0	CARPET INSTALLERS
1033	1120	971	1073	5	6	636	709	390	355	CRANE, DERRICK, AND HOIST OPR
17	13	13571	16877	0	0	2263	2274	0	0	DECORATORS, WINDOW DRESSERS
0	0	62	71	0	0	6499	6524	29	29	DENTAL LABORATORY TECH
21	8	822	916	0	0	1209	1416	5	0	FURNITURE AND WOOD FINISH
0	0	105	109	0	0	22	17	0	0	FURRIERS
20	21	2839	3405	40	42	779	825	7	0	GLAZIERS
10	11	184	114	0	0	27	12	0	0	INSPECTORS, LOG AND LUMBER
4336	4390	1095	1148	335	324	3735	3743	0	0	INSPECTORS, OTHER
0	0	2539	2796	0	0	1157	1201	21	25	JEWELERS AND WATCHMAKERS
0	0	0	0	0	0	0	0	0	0	MILLERS, GRAIN, FLOUR, FEED
0	0	6	0	4	0	3446	3988	8	7	MOTION PICTURE PROJECTIONISTS
0	0	3167	4088	0	0	1952	2490	51	61	OPTICIANS, LENS GRINDR, POLISHR
0	0	133	144	0	0	776	878	0	0	PIANO, ORGAN TUNERS, REPAIRERS
2	0	0	0	0	0	2	0	69	61	SHIPFITTERS
0	0	177	181	0	0	2265	2297	2	0	SHOE REPAIRERS
8	0	410	485	0	0	2966	3467	72	60	SIGN PAINTERS AND LETTERERS
5445	6007	1026	1065	537	540	4039	3767	925	804	STATIONARY ENGINEERS
0	0	96	74	0	0	0	0	0	0	STONE CUTTERS, STONE CARVERS
0	0	3162	3406	0	0	875	849	24	26	TAILORS
80	72	2102	2225	0	0	4157	4643	56	55	UPHOLSTERERS
1055	1008	1625	1963	0	0	2045	2496	437	183	CRAFTS AND KINDRED WRKRS, NEC
143153	154530	241403	267068	1927	2150	127610	147261	14143	13885	OPERATIVES
14968	15352	149212	162685	934	1168	89866	105559	7176	7343	OPERATIVES, EXC TRANSPORT
3419	3675	4770	5489	44	60	7575	7853	1401	1465	SEMISKILLED METALWORKING
12	8	81	74	0	0	20	26	6	3	DRILL PRESS OPERATIVES
3	3	30	33	0	0	11	14	0	0	FURNACE TENDRS, SMELTRS,POURERS
19	13	119	131	0	0	780	790	4	4	GRINDING MACHINE OPERATIVES
0	0	0	0	0	0	0	0	0	0	HEATERS, METAL
75	75	313	358	0	0	95	125	47	41	LATHE, MILLING MACH OPERATIVES
49	31	160	183	0	0	38	61	187	170	METAL PLATERS
11	11	85	122	0	0	29	43	10	8	OTHER PRECISION MACH OPR
22	11	185	216	0	0	65	82	3	0	PUNCH STAMPING PRESS OPR
25	11	195	198	0	0	67	77	16	18	SOLDERERS
3204	3513	3603	4173	44	60	6471	6634	1126	1222	WELDERS AND FLAME CUTTERS
0	0	0	0	0	0	0	0	0	0	SEMISKILLED TEXTILE
0	0	0	0	0	0	0	0	0	0	OTHER TEXTILE OPERATIVES
1551	1840	29764	34919	0	0	2028	2332	1533	1735	SEMISKILLED PACKING, INSPECTNG
0	0	0	0	0	0	0	0	0	0	CHECKERS, EXAMINERS, ETC, MFG
0	0	0	0	0	0	0	0	0	0	GRADERS AND SORTERS, MFG
0	0	5054	5752	0	0	0	0	0	0	MEAT WRAPPERS, RETAIL TRADE
1454	1745	15047	17662	0	0	2028	2332	1519	1718	PACKER, WRAPPER, NEC
97	95	9663	11505	0	0	0	0	15	17	PROD GRDR, PACKER, EXC FACT, FAR
9998	9837	119678	122277	890	1108	80263	95374	4242	4144	OTHER OPERATIVES, EXC TRANSPORT
29	25	95	114	0	0	38	60	0	0	ASBESTOS, INSULATION WORKERS
0	0	6195	7647	0	0	1032	1373	0	0	ASSEMBLERS
13	8	12	15	0	0	21	34	40	47	BLASTERS
20	25	762	932	0	0	0	0	0	0	BOTTLING, CANNING OPERATIVES
45	47	0	0	12	0	567	643	166	176	SURVEYOR HELPERS
0	0	378	383	0	0	8601	9022	23	17	CLOTHING IRONERS AND PRESSERS
9	11	2366	2843	0	0	397	590	0	0	CUTTING OPERATIVES, NEC
5	5	6674	6045	0	0	9039	10288	70	71	DRESSMAKERS, EXC FACTORY
24	24	34	31	0	0	27	43	16	18	DRILLERS, EARTH
6	0	15	14	27	34	220	263	3	0	DRY WALL INSTALLERS, LAYNERS
0	0	134	158	0	0	8	11	0	0	DYERS
41	47	650	737	0	0	520	669	18	22	FILER, POLISHER, SANDER, BUFFER
342	379	43490	44014	10	3	3248	4412	331	320	GARAGE WORKERS, GAS STAT ATTEN
0	0	194	250	10	9	15544	17156	85	78	LAUNDRY, DRY CLEAN OP, NEC
82	67	26879	27669	0	0	209	231	223	228	MEAT CUTTERS, BUTCHERS, EXC MFG
0	0	0	0	0	0	0	0	0	0	MEAT CUTTERS, BUTCHERS, MFG
0	0	143	131	0	0	3	0	0	0	MILLERS
0	0	0	0	0	0	0	0	0	0	MINE OPERATIVES, NEC
0	0	577	675	0	0	60	75	0	0	MIXING OPERATIVES
322	244	282	290	0	0	126	79	59	64	OILERS, GREASERS, EXC AUTO
17	23	1763	2298	3	3	3787	5291	8	12	PAINTERS, MFG ARTICLES
164	204	515	624	21	13	13409	16547	438	540	PHOTOGRAPHIC PROCESS WORKERS
16	0	95	118	0	0	35	53	0	0	RIVETERS AND FASTENERS
2603	2690	22	21	0	0	578	848	84	70	SAILORS AND DECKHANDS
16	10	704	686	38	65	19	0	20	23	SAWYERS
6	6	1591	1981	0	0	2553	3359	24	31	SEWERS AND STITCHERS
0	0	0	0	0	0	0	0	0	0	SHOEMAKING MACHINE OPR
188	176	189	203	18	21	828	872	389	259	FURNACE TENDR, STOKR, EXC METAL
35	37	181	210	0	0	411	496	0	0	WINDING OPERATIVES, NEC
780	834	10451	12082	367	439	3068	3834	590	372	MISC MACH OPERATIVES
5237	4974	10286	12107	385	521	15914	19126	1656	1797	OPERATIVES, NEC
128185	139179	92192	104383	993	982	37745	41702	6966	6542	TRANSPORT EQUIPMENT OPERATIVES
99	83	6	0	0	0	129	147	81	74	BOAT OPERATORS
27660	29439	66	36	127	99	8191	8746	221	103	BUS DRIVERS
777	798	0	0	0	0	0	0	4	0	CONDUCTORS AND OPR, URBAN RAIL
8313	10551	51052	58283	234	267	9334	10516	92	0	DELIVERY AND ROUTE WORKERS
3439	3694	9556	11452	0	0	1169	1556	1804	2021	FORK LIFT, TOW MOTOR OPR
9	10	0	0	0	0	4	0	0	0	RAIL VEHICLE OPERATORS, NEC
41	22	1224	1168	156	88	6889	7361	74	0	PARKING ATTENDANTS

DETAILED OCCUPATIONAL EMPLOYMENT, CURRENT AND ANTICIPATED BY INDUSTRY DIVISION FOR CALIFORNIA

LINE NUMBER	OCCUPATIONAL CATEGORY	TOTAL ALL INDUSTRIES		AGRICULTURE, FORESTRY FISHERIES		MINING		CONSTRUCTION		MANUFACTURING	
		1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
394	RAILROAD BRAKE OPERATORS	2111	2390	0	0	0	0	5	0	107	149
395	RAILROAD SWITCH OPERATORS	3239	3404	0	0	0	0	4	0	184	217
396	TAXICAB DRIVERS, CHAUFFEURS	11675	12071	6	2	7	7	41	34	359	337
397	TRUCK DRIVERS	159594	171582	3988	4054	2954	3395	10585	9469	23049	25512
398	SERVICE WORKERS	1395442	1604755	3512	3337	398	408	3213	3272	25270	24390
399	CLEANING SERVICE WRKRS	263140	297622	1520	1224	244	238	2508	2611	17161	16480
400	LODGING QTRS CLEANRS, EXC PRIV	25252	37186	20	23	0	0	0	0	0	0
401	BLDG INTERIOR CLEANERS, NEC	44624	50408	333	318	29	27	461	529	1079	1056
402	JANITORS AND SEXTONS	193264	210029	1166	883	214	211	2046	2081	16082	15424
403	FOOD SERVICE WRKRS	539628	634610	992	876	33	37	134	104	1982	2181
404	BARTENDERS	46559	54002	0	0	0	0	0	0	7	8
405	DINING ROOM ATTENDANTS	44532	53427	0	0	0	0	0	0	22	24
406	COOKS, EXC PRIVATE	154767	188312	856	740	18	17	49	45	1171	1376
407	DISHWASHERS	30104	32990	0	0	0	0	7	0	117	106
408	FOOD COUNTER, FOUNTAIN WORKERS	35130	42956	0	0	0	0	4	0	176	186
409	WAITERS, WAITRESSES	189110	219370	102	128	8	11	57	60	209	210
410	FOOD WORKERS, NEC, EXC PRIVATE	39426	43552	34	7	8	9	7	0	279	271
411	HEALTH SERVICE WRKRS	183260	214297	133	95	0	0	4	0	111	101
412	DENTAL ASSISTANTS	30560	37257	0	0	0	0	0	0	0	0
413	HEALTH AIDES, EXCEPT NURSING	34872	42006	99	87	0	0	0	0	20	22
414	HEALTH TRAINEES	565	326	0	0	0	0	0	0	0	0
416	NURSES AIDES, ORDERLIES	79726	88937	25	8	0	0	4	0	74	132
417	LVN (LIC VOC NURSES)	37537	45771	8	0	0	0	0	0	18	27
418	PERSONAL SERVICE WRKRS	163852	189498	255	241	17	25	132	141	615	546
419	FLIGHT ATTENDANTS	13179	17094	0	0	0	0	0	0	53	77
420	ATTEN, RECREATION, AMUSEMENT	15118	17743	0	0	0	0	0	0	0	0
421	ATTEN, PERSONAL SERVICE, NEC	8133	8427	0	0	0	0	0	0	229	166
422	BAGGAGE PORTERS AND BELLHOPS	3361	5332	0	0	0	0	0	0	0	0
423	BARBERS	7133	7715	0	0	0	0	0	0	0	0
424	BOARDING, LODGING HOUSEKEEPERS	2721	3326	0	0	0	0	0	0	0	0
425	BOOTBLACKS	165	103	0	0	0	0	0	0	0	0
426	CHILD CARE WORKERS, EXC PRIVATE	25218	35118	0	0	0	0	0	0	8	9
427	ELEVATOR OPERATORS	1563	1323	0	0	17	25	80	81	159	161
428	HAIRDRESSERS, COSMETOLOGISTS	52683	54483	0	0	0	0	0	0	96	68
429	HOUSEKEEPERS, EXC PRIVATE	12419	13506	255	241	0	0	52	60	71	63
431	SCHOOL MONITORS	13705	16170	0	0	0	0	0	0	0	0
432	USHERS, RECREATION, AMUSEMENT	2569	2633	0	0	0	0	0	0	0	0
433	WELFARE SERVICE AIDES	5886	6525	0	0	0	0	0	0	0	0
434	PROTECTIVE SERVICE WRKRS	162661	187105	612	801	105	108	445	415	5400	5002
435	CROSSING GUARD, BRIDGETENDERS	3108	3403	0	0	0	0	52	64	0	0
436	FIREFIGHTERS	30830	34088	318	404	33	48	19	19	286	291
437	GUARDS	59332	70309	291	397	66	60	320	316	5056	4672
438	MARSHALS AND CONSTABLES	562	489	0	0	0	0	0	0	0	0
439	POLICE AND DETECTIVES	58561	67906	3	0	6	0	54	17	58	39
440	SHERIFFS AND BAILIFFS	10268	10911	0	0	0	0	0	0	0	0
441	PRIVATE HOUSEHOLD WRKRS	81901	81622	0	0	0	0	0	0	0	0
442	CHILD CARE WORKERS	22629	22466	0	0	0	0	0	0	0	0
443	COOKS, PRIVATE	2324	2590	0	0	0	0	0	0	0	0
444	HOUSEKEEPERS, PRIVATE	15286	14229	0	0	0	0	0	0	0	0
445	LAUNDERERS, PRIVATE HOUSEHOLD	598	409	0	0	0	0	0	0	0	0
446	PRIV HOUSEHOLD CLEANRS, SERVANTS	41064	41928	0	0	0	0	0	0	0	0
447	LABORERS, EXCEPT FARM	389629	426471	59237	65659	802	840	47473	49780	42777	43310
448	ANIMAL CARETAKERS, EXC FARM	15023	17476	10011	11646	0	0	8	0	125	129
449	CARPENTERS HELPERS	2139	2334	0	0	0	0	1172	1033	583	776
450	CONSTR LABR, EXC CARPENTER HELP	48936	51231	145	118	181	170	42099	44045	1537	1575
451	FISHERS	1879	1655	1796	1566	0	0	0	0	3	1
452	FREIGHT, MATERIAL HANDLERS	53410	57201	287	240	467	501	1271	1380	19688	20696
453	GARBAGE COLLECTORS	7424	8584	0	0	0	0	41	50	8	8
454	GARDENR, GROUNDSKEEPR, EXC FARM	99168	111761	46413	51576	4	5	2119	2456	850	970
455	LONGSHORE WORKERS, STEVEDORES	6474	6857	0	0	17	27	9	0	366	397
456	TIMBERCUTTING, LOGGING WORKERS	2620	2313	16	15	0	0	10	0	2483	2180
457	STOCK HANDLERS	88667	99376	32	22	4	5	193	233	4169	4061
458	TEAMSTERS	336	305	0	0	0	0	11	13	146	97
459	VEHICLE WASHR, EQUIP CLEANERS	18864	20530	84	80	36	29	169	190	2266	1883
460	WAREHOUSE LABORERS, NEC	24076	24923	47	38	54	72	379	383	5154	5375
461	OTHER LABORERS	20615	21926	406	358	39	33	0	0	5400	5163
462	FARMERS AND FARM WORKERS	289976	292211	289976	292211	0	0	0	0	0	0
463	FARMERS AND FARM MANAGERS	48033	48110	48033	48110	0	0	0	0	0	0
464	FARMERS (OWNERS AND TENANTS)	36900	35849	36900	35849	0	0	0	0	0	0
465	FARM MANAGERS	11134	12261	11134	12261	0	0	0	0	0	0
466	FARM LABORERS, FARM SUPERVISORS	241943	244101	241943	244101	0	0	0	0	0	0
467	FARM LABOR SUPERVISORS	17464	18435	17464	18435	0	0	0	0	0	0
468	FARM LABORERS, WAGE WRKRS	220092	221157	220092	221157	0	0	0	0	0	0
469	FARM LABORERS, UNPAID FAMILY	2703	3015	2703	3015	0	0	0	0	0	0
470	FARM LABORERS, SELF-EMPL	1683	1494	1683	1494	0	0	0	0	0	0

TRANSPORTATION, COMMUNICATIONS, AND UTILITIES		TRADE		FINANCE, INSURANCE, AND REAL ESTATE		SERVICES		PUBLIC ADMINISTRATION		OCCUPATIONAL CATEGORY
1980	1985	1980	1985	1980	1985	1980	1985	1980	1985	
1971	2205	0	0	0	0	0	0	28	36	RAILROAD BRAKE OPERATORS
3001	3131	38	42	0	0	0	0	12	14	RAILROAD SWITCH OPERATORS
7273	7419	493	529	201	200	3000	3291	294	252	TAXICAB DRIVERS, CHAUFFEURS
73601	81826	29756	32873	275	328	9029	10085	4356	4941	TRUCK DRIVERS
24077	28683	472114	556120	14962	16312	728846	831700	123551	140534	SERVICE WORKERS
4593	4208	24622	25924	10159	11339	190153	223157	12181	12491	CLEANING SERVICE WRKRS
12	13	322	332	49	45	24810	36723	39	50	LODGING QTRS CLEANRS, EXC PRIV
452	422	4555	4896	1603	1799	35344	40943	766	917	BLDG INTERIOR CLEANERS, NEC
4129	3774	19745	20696	8506	9495	129999	145991	11376	11479	JANITORS AND SEXTONS
1809	1706	434744	517303	728	898	97376	109583	1840	1922	FOOD SERVICE WRKRS
57	60	41755	48663	10	15	4706	5228	24	28	BARTENDERS
25	27	36661	44158	16	20	7685	9023	133	176	DINING ROOM ATTENDANTS
722	675	124739	157423	293	375	25982	26735	937	926	COOKS, EXC PRIVATE
59	54	21587	23037	41	46	8212	9665	81	82	DISHWASHERS
133	137	25770	32007	39	44	8902	10450	108	132	FOOD COUNTER, FOUNTAIN WORKERS
429	394	168869	195597	205	258	18887	22328	344	385	WAITERS, WAITRESSES
385	360	15363	16418	123	140	23002	26154	225	193	FOOD WORKERS, NEC, EXC PRIVATE
64	74	421	487	17	30	181593	212026	918	1403	HEALTH SERVICE WRKRS
0	0	0	0	0	0	30487	37147	73	110	DENTAL ASSISTANTS
27	28	330	364	0	0	34271	41378	125	128	HEALTH AIDES, EXCEPT NURSING
0	0	0	0	0	0	565	326	0	0	HEALTH TRAINERS
33	46	82	123	0	0	78929	87619	579	1007	NURSES AIDES, ORDERLIES
3	0	9	0	17	30	37341	45556	142	158	LVN (LIC VOC NURSES)
15608	20523	8539	8404	1020	1046	133782	152902	3925	5570	PERSONAL SERVICE WRKRS
13086	16961	21	27	0	0	20	28	0	0	FLIGHT ATTENDANTS
107	107	413	433	39	28	12200	13350	2358	3925	ATTEN, RECREATION, AMUSEMENT
429	440	1198	1251	268	271	5761	5973	227	326	ATTEN, PERSONAL SERVICE, NEC
1220	2290	0	0	0	0	2056	2844	85	199	BAGGAGE PORTERS AND BELLHOPS
9	8	44	38	0	0	7022	7583	58	87	BARBERS
0	0	0	0	0	0	2721	3326	0	0	BOARDING, LODGING HOUSEKEEPERS
0	0	0	0	0	0	165	103	0	0	BOOTBLACKS
20	24	110	183	38	62	24886	34608	157	231	CHILD CARE WORKERS, EXC PRIVATE
71	63	194	152	421	410	493	335	128	96	ELEVATOR OPERATORS
71	73	4215	3736	0	0	48239	50557	62	49	HAIRDRESSERS, COSMETOLOGISTS
594	557	2343	2584	234	275	8714	9450	154	175	HOUSEKEEPERS, EXC PRIVATE
0	0	0	0	0	0	13705	16170	0	0	SCHOOL MONITORS
0	0	0	0	0	0	2569	2633	0	0	USHERS, RECREATION, AMUSEMENT
0	0	0	0	0	0	5191	6043	695	482	WELFARE SERVICE AIDES
2004	2170	3788	4003	2539	2998	43080	52410	104688	119198	PROTECTIVE SERVICE WRKRS
251	294	0	0	0	0	562	702	2243	2343	CROSSING GUARD, BRIDGETENDERS
93	98	10	0	4	0	476	529	29590	32699	FIREFIGHTERS
1463	1614	3396	3640	2478	2960	37504	47166	8760	9483	GUARDS
0	0	0	0	0	0	0	0	562	489	MARSHALS AND CONSTABLES
197	164	382	362	58	38	4538	4812	53265	63273	POLICE AND DETECTIVES
0	0	0	0	0	0	0	0	10268	10911	SHERIFFS AND BAILIFFS
0	0	0	0	0	0	82901	81622	0	0	PRIVATE HOUSEHOLD WRKRS
0	0	0	0	0	0	22629	22466	0	0	CHILD CARE WORKERS
0	0	0	0	0	0	2324	2590	0	0	COOKS, PRIVATE
0	0	0	0	0	0	16286	14229	0	0	HOUSEKEEPERS, PRIVATE
0	0	0	0	0	0	598	409	0	0	LAUNDERERS, PRIVATE HOUSEHOLD
0	0	0	0	0	0	41064	41928	0	0	PRIV HOUSEHOLD CLEANRS, SRVANTS
36635	38017	117044	131662	5455	6137	62686	73313	17520	17753	LABORERS, EXCEPT FARM
39	41	740	860	0	0	3310	3945	798	853	ANIMAL CARETAKERS, EXC FARM
48	53	91	126	12	17	178	256	54	75	CARPENTERS HELPERS
2459	2351	831	822	95	108	1232	1425	558	618	CONSTR LABR, EXC CARPENTER HELP
0	0	71	79	0	0	9	9	0	0	FISHERS
11537	11644	11295	12803	69	86	4088	4959	4707	4893	FREIGHT, MATERIAL HANDLERS
7280	8396	9	10	49	74	26	34	11	11	GARBAGE COLLECTORS
908	1011	2182	2820	4692	5204	33747	38820	8253	8799	GARDENR, GROUNDSKEPR, EXC FARM
5951	6266	66	72	4	0	0	0	61	96	LONGSHORE WORKERS, STEVEDORES
23	24	88	95	0	0	0	0	0	0	TIMBERCUTTING, LOGGING WORKERS
755	567	79841	90233	105	115	3286	4004	281	137	STOCK HANDLERS
24	24	73	76	0	0	72	95	0	0	TEAMSTERS
1329	1025	4394	4971	9	9	10305	12175	273	169	VEHICLE WASHR, EQUIP CLEANERS
2325	2441	12772	13670	7	0	1072	1101	2266	1842	WAREHOUSE LABORERS, NEC
4158	4172	4590	5026	414	424	5360	6989	260	260	OTHER LABORERS
0	0	0	0	0	0	0	0	0	0	FARMERS AND FARM WORKERS
0	0	0	0	0	0	0	0	0	0	FARMERS AND FARM MANAGERS
0	0	0	0	0	0	0	0	0	0	FARMERS (OWNERS AND TENANTS)
0	0	0	0	0	0	0	0	0	0	FARM MANAGERS
0	0	0	0	0	0	0	0	0	0	FARM LABORERS, FARM SUPERVISORS
0	0	0	0	0	0	0	0	0	0	FARM LABOR SUPERVISORS
0	0	0	0	0	0	0	0	0	0	FARM LABORERS, WAGE WRKRS
0	0	0	0	0	0	0	0	0	0	FARM LABORERS, UNPAID FAMILY
0	0	0	0	0	0	0	0	0	0	FARM LABORERS, SELF-EMPL

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LINE NUMBER	OCCUPATIONAL CATEGORY	JOB OPPORTUNITIES, 1980 TO 1985			
		NET DEMAND FROM INDUSTRY CHANGE	REPLACEMENT NEEDS DUE TO LABOR FORCE SEPARATIONS	TOTAL JOB OPPORTUNITIES FROM THESE SOURCES	AVERAGE ANNUAL JOB OPPORTUNITIES
1	TOTAL, ALL OCCUPATIONS	1416615	1799446	3216061	643212
2	PROFESSIONAL, TECHNICAL, KINDRED	206150	277561	483711	96742
3	ENGINEERS, TECHNICAL	31943	25611	57554	11511
4	ENGINEERS, AERO-ASTRONAUTIC	582	1772	2354	471
5	ENGINEERS, CHEMICAL	818	591	1409	282
6	ENGINEERS, CIVIL	3224	3674	6898	1380
7	ENGINEERS, ELECTRICAL	9496	5059	14555	2911
8	ENGINEERS, INDUSTRIAL	5937	4395	10332	2066
9	ENGINEERS, MECHANICAL	2219	3615	5834	1167
10	ENGINEERS, METALLURGICAL	282	229	511	102
11	ENGINEERS, MINING	128	115	243	49
12	ENGINEERS, PETROLEUM	31	193	224	45
13	ENGINEERS, SALES	738	897	1635	327
14	ENGINEERS, OTHER	8488	5071	13559	2712
15	LIFE AND PHYSICAL SCIENTISTS	5112	4379	9491	1898
16	AGRICULTURAL SCIENTISTS	415	497	912	182
17	ATMOSPHERIC, SPACE SCIENTISTS	238	235	473	95
18	BIOLOGICAL SCIENTISTS	873	827	1700	340
19	CHEMISTS	2341	1741	4082	816
20	GEOLOGISTS	408	473	881	176
21	MARINE SCIENTISTS	234	185	419	84
22	PHYSICISTS AND ASTRONOMERS	576	407	983	197
23	LIFE, PHYSICAL SCIENTISTS NEC	27	14	41	8
24	MATHEMATICAL SPECIALISTS	1028	853	1881	376
25	ACTUARIES	230	180	410	82
26	MATHEMATICIANS	343	145	488	98
27	STATISTICIANS	455	528	983	197
28	ENGINEERS, SCIENCE TECHNICIANS	19614	12087	31701	6340
29	AGRI, BIOLOG TECH EXC HEALTH	499	594	1093	219
30	CHEMICAL TECHNICIANS	542	429	971	194
31	DRAFTERS	7991	4520	12511	2502
32	ELECTRICAL, ELECTRONIC TECH	6023	2787	8810	1762
33	INDUSTRIAL ENGINEERING TECH	446	426	872	174
34	MATHEMATICAL TECHN	6	6	12	2
35	MECHANICAL ENGINEERING TECH	675	266	941	188
36	SURVEYORS	1289	603	1892	378
37	ENGINEERING, SCIENCE TECH NEC	2143	2456	4599	920
38	MEDICAL WORKERS, EXC TECH	39015	46415	85430	17086
39	CHIROPRACTORS	884	2485	3369	674
40	DENTISTS	1523	1382	2905	581
41	DIETITIANS	329	987	1316	263
42	OPTOMETRISTS	1332	1478	2810	562
43	PHARMACISTS	1956	3314	5270	1054
44	PHYSICIANS, MD OSTEOPATHS	9681	3773	13454	2691
45	PODIATRISTS	354	630	984	197
46	REGISTERED NURSES	18167	28653	46820	9364
47	THERAPISTS	3499	3124	6623	1325
48	VETERINARIANS	457	313	770	154
49	OTHER MEDICAL AND HEALTH	833	276	1109	222
50	HEALTH TECHNOL AND TECH	10292	9292	19584	3917
51	CLINICAL LAB TECHNOL, TECH	4165	3613	7778	1556
52	DENTAL HYGIENISTS	2781	1037	3818	764
53	HEALTH RECORD TECHNOL, TECH	245	387	632	126
54	RADIOLOGIC TECHNOL, TECH	2220	1938	4158	832
55	THERAPY ASSISTANTS	31	71	102	20
56	OTHER HEALTH TECHNOL, TECH	850	2246	3096	619
57	TECHNICIANS, EXC HEALTH	5470	2888	8358	1672
58	AIRPLANE PILOTS	1504	672	2176	435
59	AIR TRAFFIC CONTROLLERS	505	268	773	155
60	EMBALMERS	57	123	180	36
61	FLIGHT ENGINEERS	242	91	333	67
62	RADIO OPERATORS	636	614	1250	250
63	TOOL PROGRAMERS, NUMERICAL	68	29	97	19
64	OTHER TECHNICIANS EXC HEALTH	2458	1091	3549	710
65	COMPUTER SPECIALISTS	12401	4181	16582	3316
66	COMPUTER PROGRAMERS	6903	2390	9293	1859
67	COMPUTER SYSTEMS ANALYSTS	4721	1524	6245	1249
68	OTHER COMPUTER SPECIALISTS	777	267	1044	209
69	SOCIAL SCIENTISTS	5900	4492	10392	2078
70	ECONOMISTS	3265	2260	5525	1105
71	POLITICAL SCIENTISTS	15	16	1	0
72	PSYCHOLOGISTS	1486	1651	3137	627
73	SOCIOLOGISTS	128	131	259	52
74	URBAN AND REGIONAL PLANNERS	757	275	1032	206
75	OTHER SOCIAL SCIENTISTS	279	159	438	88
76	TEACHERS	-8386	56566	48180	9636
77	ADULT EDUCATION TEACHERS	324	1179	1503	301
78	COLLEGE AND UNIVERSITY TEACHERS **	168	7871	8039	1608
87	ELEMENTARY SCHOOL TEACHERS	-1882	24782	22900	4580
97	PRESCHOOL, KINDERGARTEN	4971	4956	9927	1985
99	SECONDARY SCHOOL TEACHERS	-8882	10898	2016	403
106	TEACHERS NEC, EXC COLL, UNIVER	-3085	6880	3795	759
107	WRITERS, ARTISTS, ENTERTAINERS	25127	30455	55582	11116
108	ACTORS	531	901	1432	286
109	ATHLETES AND KINDRED WORKERS	2506	1627	4133	827

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		NET DEMAND FROM INDUSTRY CHANGE	REPLACEMENT NEEDS DUE TO LABOR FORCE SEPARATIONS	TOTAL JOB OPPORTUNITIES FROM THESE SOURCES	AVERAGE ANNUAL JOB OPPORTUNITIES
110	AUTHORS	363	1722	2085	417
111	DANCERS	488	502	990	198
112	DESIGNERS	2671	3598	6269	1254
113	EDITORS AND REPORTERS	3866	3562	7428	1486
114	MUSICIANS AND COMPOSERS	4293	4073	8366	1673
115	PAINTERS AND SCULPTORS	3573	5171	8744	1749
116	PHOTOGRAPHERS	774	1844	2618	524
117	PUBLIC RELATIONS SPECIALISTS	2972	3852	6824	1365
118	RADIO, TV ANNOUNCERS	707	223	930	186
119	WRITERS, ARTISTS, ENTERTAIN NEC	2383	3380	5763	1153
120	OTHER PROFESSIONAL, TECHNICAL	58634	80342	138976	27795
121	ACCOUNTANTS	16410	26552	42962	8592
122	ARCHITECTS	3586	1830	5416	1083
123	ARCHIVISTS AND CURATORS	73	194	267	53
124	CLERGY	3212	6512	9724	1945
125	RELIGIOUS WORKERS, EXC CLERGY	1634	2665	4299	860
126	FARM MANAGEMENT ADVISORS	-31	38	7	1
127	FORESTERS, CONSERVATIONISTS	350	340	690	138
128	HOME MANAGEMENT ADVISORS	-35	47	12	2
129	JUDGES	0	525	525	105
130	LAWYERS	7064	11883	18947	3789
131	LIBRARIANS	687	2467	3154	631
132	OPERATIONS, SYSTEMS RESEARCH	3274	1667	4941	988
133	PERSONNEL LABOR RELATIONS	11102	9021	20123	4025
134	RESEARCH WORKERS, NEC	-745	2102	1357	271
135	RECREATION WORKERS	3371	3088	6459	1292
136	SOCIAL WORKERS	7689	8899	16588	3318
137	VOCATIONAL, ED COUNSELORS	993	2512	3505	701
138	MANAGERS, OFFICIALS, PROPRIETORS	175787	222606	398393	79679
139	BUYERS, SALES, LOAN MANAGERS	53730	34664	88394	17679
140	BANK, FINANCIAL MANAGERS	16293	9448	25741	5148
141	CREDIT MANAGERS	843	1189	2032	406
142	BUYERS, SHIPPERS, FARM PROD	296	577	873	175
143	BUYERS, WHOLESALE, RETAIL	10132	7674	17806	3561
144	PURCHASING AGENTS, BUYERS, NEC	5574	4464	10038	2008
145	SALES MANAGER, RETAIL TRADE	8579	5088	13667	2733
146	SALES MANAGER, EXC RET TRADE	12013	6224	18237	3647
147	ADMINISTRATORS, PUB INSPECTORS	6785	15819	22604	4521
148	ASSESS, CONTROL, LOC PUB ADMIN	110	625	735	147
149	CONSTRUCTION INSPECTOR, PUB	542	793	1335	267
150	HEALTH ADMINISTRATORS	1955	3786	5741	1148
151	INSPECTORS, EXC CONSTRUCT PUB	687	1582	2269	454
152	OFFICIALS, ADMINS, PUB	1328	4428	5756	1151
153	POSTMASTERS AND MAIL SUPER	-22	309	287	57
154	SCHOOL ADMIN, COLLEGE	-124	925	801	160
155	SCHOOL ADMIN, ELEM, SECONDARY	2309	3371	5680	1136
156	OTHER MANAGERS, OFFICIALS, PROPS	115272	172123	287395	57479
157	FUNERAL DIRECTORS	28	314	342	68
158	MGRS, SUPERINTENDANTS, BLDG	8774	18184	26958	5392
159	OFFICE MANAGERS, NEC	11665	8666	20331	4066
160	OFFICERS, PILOTS, PURSERS, SHIP	184	452	636	127
161	OFFICIALS OF LODGES, UNIONS	1853	3473	5326	1065
162	RAILROAD CONDUCTORS	407	584	991	198
163	RESTAURANT, CAFE, BAR MGRS	6438	10034	16472	3294
164	OTHER MGRS, ADMINISTRATORS	85923	130416	216339	43268
165	SALES WORKERS	147239	189468	336707	67341
166	ADVERTISING AGENTS, SALES MKRS	3707	2647	6354	1271
167	AUCTIONEERS	77	109	186	37
168	DEMONSTRATORS	1045	1046	2091	418
169	HUCKSTERS AND PEDDLERS	-857	3696	2839	568
170	INSURANCE AGENTS, BROKERS, ETC	13113	12195	25308	5062
171	NEWSPAPER CARRIERS AND VENDORS	-223	665	442	88
172	REAL ESTATE AGENTS, BROKERS	20315	33522	53837	10767
173	SALES REPRES, STOCK AND BONDS	1074	2552	3626	725
174	SALES WORKERS, NEC	108988	133036	242024	48405
179	CLERICAL WORKERS	325929	376303	702232	140446
180	STENOGRAPHERS, TYPISTS, SECRE	125925	133370	259295	51859
181	SECRETARIES, LEGAL	8381	5491	13872	2774
182	SECRETARIES, MEDICAL	5244	3219	8463	1693
183	SECRETARIES, OTHER	96944	91870	188814	37763
184	STENOGRAPHERS	-1371	2202	831	166
185	TYPISTS	16727	30588	47315	9463
186	OFFICE MACHINE OPERATORS	486	10352	10838	2168
187	BOOKKEEPING, BILLING OPERATORS	1447	1293	2740	548
188	CALCULATING MACHINE OPERATORS	559	904	1463	293
189	COMPUTER, PERIPHERAL EQUIP	3866	2578	6444	1289
190	DUPLICATING MACHINE OPERATORS	342	763	1105	221
191	KEYPUNCH OPERATORS	-5637	3981	-1656	-331
192	TABULATING MACHINE OPERATORS	-87	24	-63	-12
193	OTHER OFFICE MACHINE OPERATORS	-4	809	805	161
194	OTHER CLERICAL WORKERS	199518	232581	432099	86420
195	BANK TELLERS	6185	8031	14216	2843
196	BILLING CLERKS	5438	3985	9423	1885
197	BOOKKEEPERS, ACCOUNT CLERKS	26830	51879	78709	15742
198	CASHIERS	33396	25938	59334	11867
199	CLERICAL ASSIST, SOC WELFARE	564	804	1368	274
200	CLERICAL SUPERVISORS, NEC	3205	3393	6598	1320

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201	COLLECTORS, BILL AND ACCOUNT	1786	2195	3981	796
202	COUNTER CLERKS, EXC FOOD	8556	8857	17413	3483
203	DISPATCHER, STARTER, VEHICLE	1654	1494	3148	670
204	ENUMERATORS AND INTERVIEWERS	706	1205	1911	382
205	ESTIMATORS, INVESTIGATORS, NEC	4845	9529	14374	2875
206	EXPEDITORS, PROD CONTROLLERS	6254	4618	10872	2174
207	FILE CLERKS	5882	9643	15525	3105
208	INSURANCE ADJUST, EXAM	4704	2911	7615	1523
209	LIBRARY ATTENDANTS, ASSISTANT	-46	3152	3106	621
210	MAIL CARRIERS, POST OFFICE	868	2617	3485	697
211	MAIL HANDLER, EXC POST OFFICE	2952	3321	6273	1255
212	MESSENGERS AND OFFICE HELPERS	-103	981	878	176
213	METER READERS, UTILITIES	-36	222	186	37
214	PAYROLL, TIME KEEPING CLERKS	1734	3832	5566	1113
215	POSTAL CLERKS	-845	3787	2942	588
216	PROOFREADERS	702	666	1368	274
217	REAL ESTATE APPRAISERS	1062	1172	2234	447
218	RECEPTIONISTS	9989	13827	23816	4763
219	SHIPPING, RECEIVING CLERKS	8540	7456	15996	3199
220	STATISTICAL CLERKS	4262	7121	11383	2277
221	STOCK CLERKS, STORE KEEPERS	7295	8350	15645	3129
222	TEACHERS AIDES, EXC MONITORS	7515	9084	16599	3320
223	TELEGRAPH MESSENGERS	-107	17	-90	-18
224	TELEGRAPH OPERATORS	-48	113	65	13
225	TELEPHONE OPERATORS	-594	9591	8997	1799
226	TICKET STATION, EXPRESS AGENTS	946	1800	2746	549
227	WEIGHERS	82	527	609	122
228	MISC CLERICAL WORKERS, NEC	45145	20463	65608	13122
229	CRAFTS AND KINDRED WORKERS	149857	177807	327664	65533
230	CONSTRUCTION CRAFTS WORKERS	36873	50094	86967	17393
231	CARPENTERS	9022	14725	23747	4749
233	BRICKMASONS AND STONEMASONS	134	898	1032	206
235	BULLDOZER OPERATORS	1582	1232	2814	563
236	CEMENT AND CONCRETE FINISHERS	3384	1631	5015	1003
237	ELECTRICIANS	5351	8932	14283	2857
239	EXCAVATING, GRADING, MACH OP	2991	2739	5730	1146
240	FLOOR LAYERS, EXC TILE SETTERS	100	163	263	53
241	PAINTERS, CONSTRUCTION, MAINT	4044	9596	13640	2728
243	PAPERHANGERS	227	372	599	120
244	PLASTERERS	-359	850	491	98
246	PLUMBERS AND PIPEFITTERS	6828	6443	13271	2654
248	ROOFER AND SLATERS	1643	857	2500	500
249	STRUCTURAL METAL CRAFT	1517	933	2450	490
250	TILESETTERS	409	723	1132	226
251	BLUE COLLAR WKRS SUPVR, NEC	26118	26792	52910	10582
252	METAL CRAFTS WORKERS, EXC MECH	11787	17575	29362	5872
253	BLACKSMITHS	-108	152	44	9
254	BOILERMAKERS	600	693	1293	259
255	HEAT TREATERS, ANNEALERS, ETC	-14	141	127	25
256	FORGE AND HAMMER OPERATORS	96	156	252	50
257	JOB AND DIE SETTERS, METAL	501	341	842	168
258	MACHINISTS	5693	8200	13893	2779
260	MILLWRIGHTS	301	667	968	194
261	MOLDERS, METAL	197	514	711	142
263	PATTERN AND MODEL MAKERS	704	705	1409	282
264	ROLLERS AND FINISHERS, METAL	22	94	116	23
265	SHEET METAL WORKERS, TINSMITHS	1560	2413	3973	795
267	TOOL, DIEMAKERS	2235	3499	5734	1147
269	MECHANICS, REPAIRERS, INSTAL	53445	43562	97007	19401
270	AIR COND, HEATING, REFRIG	5370	2526	7896	1579
271	AIRCRAFT MECHANICS	3220	3048	6268	1254
272	AUTO ACCESSORIES INSTALR	153	130	283	57
273	AUTO BODY REPAIRERS	2280	1524	3804	761
274	AUTO MECHANICS	16559	12931	29490	5898
276	DATA PROCESSING MACH REPAIRERS	4816	449	5265	1053
277	FARM IMPLEMENT	987	780	1767	353
278	HEAVY EQUIP MECH, INCL DIESEL	6247	10988	17235	3447
279	HOUSEHOLD APPLIANCE MECHANICS	3073	2626	5699	1140
281	OFFICE MACHINE REPAIRERS	2184	662	2846	569
282	RADIO, TELEVISION REPAIRERS	4629	2226	6855	1371
283	RAILROAD, CAR SHOP REPAIRERS	203	740	943	189
284	OTHER MECHANICS	3724	4932	8656	1731
286	PRINTING TRADE CRAFTS WORKERS	2643	5862	8505	1701
287	BOOKBINDERS	252	630	882	176
288	COMPOSITORS AND TYPESETTERS	-324	2218	1894	379
289	ELECTROTYPERS, STEREOTYPERS	-20	109	89	18
290	ENGRAVERS EXC PHOTOENGRAVERS	-49	182	133	27
291	PHOTOENGRAVERS, LITHOGRAPHERS	834	724	1558	312
292	PRESS WKRS AND PLATE PRINTERS	1950	1999	3949	790
295	TRANSPORTATION, PUB UTIL CRAFT	4362	3636	7998	1600
296	ELEC PWR LINE INSTAL, REPAIRERS	669	489	1158	232
297	LOCOMOTIVE ENGINEERS	601	1023	1624	325
298	LOCOMOTIVE ENGINEERS HELPERS	-30	20	-10	-2
299	POWER STATION OPERATORS	68	147	215	43
300	TELEPHONE INSTALLERS, REPAIRERS	3006	1702	4708	942
301	TELEPHONE LINE INSTAL, SPLICERS	48	255	303	61
302	OTHER CRAFTS, KINDRED WORKERS	14629	30286	44915	8983
303	BAKERS	865	2505	3370	674
304	CABINETMAKERS	429	2081	2510	502

JOB OPPORTUNITIES FROM INDUSTRIAL CHANGE AND REPLACEMENT NEEDS - CALIFORNIA

LINE NUMBER	OCCUPATIONAL CATEGORY	JOB OPPORTUNITIES, 1980 TO 1985			
		NET DEMAND FROM INDUSTRY CHANGE	REPLACEMENT NEEDS DUE TO LABOR FORCE SEPARATIONS	TOTAL JOB OPPORTUNITIES FROM THESE SOURCES	AVERAGE ANNUAL JOB OPPORTUNITIES
305	CARPET INSTALLERS	850	590	1440	288
306	CRANE, DERRICK, AND HOIST OPR	1878	1470	3348	670
307	DECORATORS, WINDOW DRESSERS	3392	2998	6390	1278
308	DENTAL LABORATORY TECH	201	951	1152	230
309	FURNITURE AND WOOD FINISH	161	554	715	143
310	FURRIERS	-11	95	84	17
311	GLAZIERS	1306	694	2000	400
312	INSPECTORS, LOG AND LUMBER	-52	325	273	55
313	INSPECTORS, OTHER	434	2318	2752	550
314	JEWELERS AND WATCHMAKERS	718	1515	2233	447
315	MILLERS, GRAIN, FLOUR, FEED	76	45	121	24
316	MOTION PICTURE PROJECTIONISTS	529	1344	1873	375
317	OPTICIANS, LENS GRINDR, POLISHR	1961	1296	3257	651
318	PIANO, ORGAN TUNERS, REPAIRERS	123	463	586	117
319	SHIPFITTERS	84	213	297	59
320	SHOE REPAIRERS	32	973	1005	201
321	SIGN PAINTERS AND LETTERERS	483	1022	1505	301
322	STATIONARY ENGINEERS	-466	2762	2296	459
323	STONE CUTTERS, STONE CARVERS	14	75	89	18
324	TAILORS	898	2496	3394	679
325	UPHOLSTERERS	306	1870	2176	435
326	CRAFTS AND KINDRED WRKRS, NEC	418	1631	2049	410
329	OPERATIVES	163259	169408	332667	66533
330	OPERATIVES, EXC TRANSPORT	128454	133674	262128	52426
331	SEMISKILLED METALWORKING	11587	14432	26019	5204
332	DRILL PRESS OPERATIVES	-108	781	673	135
333	FURNACE TENDRS, SMELTRS,POURERS	340	398	738	148
334	GRINDING MACHINE OPERATIVES	144	1232	1376	275
335	HEATERS, METAL	-17	31	14	3
336	LATHE, MILLING MACH OPERATIVES	1325	1373	2698	540
337	METAL PLATERS	532	550	1082	216
338	OTHER PRECISION MACH OPR	1070	504	1574	315
339	PUNCH STAMPING PRESS OPR	842	1142	1984	397
340	SOLDERERS	-713	566	-147	-29
341	WELDERS AND FLAME CUTTERS	8172	7855	16027	3205
342	SEMISKILLED TEXTILE	-41	473	432	86
347	OTHER TEXTILE OPERATIVES	-41	473	432	86
348	SEMISKILLED PACKING, INSPECTNG	27820	23827	50647	10129
349	CHECKERS, EXAMINERS, ETC, MFG	12512	8794	21306	4261
350	GRADERS AND SORTERS, MFG	568	1348	1916	383
351	MEAT WRAPPERS, RETAIL TRADE	698	659	1357	271
352	PACKER, WRAPPER, NEC	12239	9949	22188	4438
353	PROD GRDR, PACKER, EXC FACT, FAR	1803	2077	3880	776
354	OTHER OPERATIVES, EXC TRANSPORT	89088	95942	185030	37006
355	ASBESTOS, INSULATION WORKERS	719	297	1016	203
356	ASSEMBLERS	32335	21613	53948	10790
357	BLASTERS	28	43	71	14
358	BOTTLING, CANNING OPERATIVES	1117	1760	2877	575
359	SURVEYOR HELPERS	98	68	166	33
360	CLOTHING IRONERS AND PRESSERS	815	2568	3383	677
361	CUTTING OPERATIVES, NEC	2157	2063	4220	844
362	DRESSMAKERS, EXC FACTORY	618	4802	5420	1084
363	DRILLERS, EARTH	281	504	785	157
364	DRY WALL INSTALLERS, LATHERS	2693	840	3533	707
365	DYERS	193	126	319	64
366	FILER, POLISHER, SANDER, BUFFER	770	1357	2127	425
367	GARAGE WORKERS, GAS STAT ATTEN	1738	3061	4799	960
368	LAUNDRY, DRY CLEAN OP, NEC	1660	3216	4876	975
369	MEAT CUTTERS, BUTCHERS, EXC MFG	759	3874	4633	927
370	MEAT CUTTERS, BUTCHERS, MFG	698	1173	1871	374
371	MILLWRIGHTS	-21	54	33	7
372	MINE OPERATIVES, NEC	31	812	843	169
373	MIXING OPERATIVES	611	669	1280	256
374	OILERS, GREASERS, EXC AUTO	-121	506	385	77
375	PAINTERS, MFG ARTICLES	3078	1483	4561	912
376	PHOTOGRAPHIC PROCESS WORKERS	4205	2753	6958	1392
377	RIVETERS AND FASTENERS	139	218	357	71
378	SAILORS AND DECKHANDS	352	496	848	170
379	SAWYERS	696	1405	2101	420
380	SEWERS AND STITCHERS	14441	17035	31476	6295
381	SHOEMAKING MACHINE OPR	21	168	189	38
382	FURNACE TENDR, STOKR, EXC METAL	-15	739	724	145
383	WINDING OPERATIVES, NEC	1127	747	1874	375
384	MISC MACH OPERATIVES	10899	12018	22917	4583
385	OPERATIVES, NEC	6966	9474	16440	3288
386	TRANSPORT EQUIPMENT OPERATIVES	34805	35734	70539	14108
387	BOAT OPERATORS	-12	41	29	6
388	BUS DRIVERS	2121	4870	7001	1400
389	CONDUCTORS AND OPR, URBAN RAIL	18	92	110	22
390	DELIVERY AND ROUTE WORKERS	13750	8604	22354	4471
391	FORK LIFT, TOW MOTOR OPR	5834	3363	9197	1839
392	RAIL VEHICLE OPERATORS, NEC	14	18	32	6
393	PARKING ATTENDANTS	241	1790	2031	406
394	RAILROAD BRAKE OPERATORS	279	298	577	115
395	RAILROAD SWITCH OPERATORS	164	440	604	121
396	TAXICAB DRIVERS, CHAUFFEURS	397	2143	2540	508
397	TRUCK DRIVERS	11989	14075	26064	5213

JOB OPPORTUNITIES FROM INDUSTRIAL CHANGE AND REPLACEMENT NEEDS - CALIFORNIA

LINE NUMBER	OCCUPATIONAL CATEGORY	JOB OPPORTUNITIES, 1980 TO 1985			
		NET DEMAND FROM INDUSTRY CHANGE	REPLACEMENT NEEDS DUE TO LABOR FORCE SEPARATIONS	TOTAL JOB OPPORTUNITIES FROM THESE SOURCES	AVERAGE ANNUAL JOB OPPORTUNITIES
398	SERVICE WORKERS	209316	270551	479867	95973
399	CLEANING SERVICE WRKRS	34482	62920	97402	19480
400	LODGING QTRS CLEANRS, EXC PRIV	11934	6806	18740	3748
401	BLDG INTERIOR CLEANERS, NEC	5783	10038	15821	3164
402	JANITORS AND SEXTONS	16765	46076	62841	12568
403	FOOD SERVICE WRKRS	94981	85290	180271	36054
404	BARTENDERS	7443	9277	16720	3344
405	DINING ROOM ATTENDANTS	8895	2290	11185	2237
406	COOKS, EXC PRIVATE	33544	27961	61505	12301
407	DISHWASHERS	2886	3060	5946	1189
408	FOOD COUNTER, FOUNTAIN WORKERS	7826	5573	13399	2680
409	WAITERS, WAITRESSES	30260	29972	60232	12046
410	FOOD WORKERS, NEC, EXC PRIVATE	4127	7157	11284	2257
411	HEALTH SERVICE WRKRS	31038	34663	65701	13140
412	DENTAL ASSISTANTS	6697	6256	12953	2591
413	HEALTH AIDES, EXCEPT NURSING	7135	6112	13247	2649
414	HEALTH TRAINEES	-238	82	-156	-31
416	NURSES AIDES, ORDERLIES	9210	13851	23061	4612
417	LVN (LIC VOC NURSES)	8234	8362	16596	3319
418	PERSONAL SERVICE WRKRS	25647	33205	58852	11770
419	FLIGHT ATTENDANTS	3915	2804	6719	1344
420	ATTEN, RECREATION, AMUSEMENT	2625	2025	4650	930
421	ATTEN, PERSONAL SERVICE, NEC	294	1743	2037	407
422	BAGGAGE PORTERS AND BELLHOPS	1972	753	2725	545
423	BARBERS	582	1680	2262	452
424	BOARDING, LODGING HOUSEKEEPERS	604	1347	1951	390
425	BOOTBLACKS	-62	65	3	1
426	CHILD CARE WORKERS, EXC PRIVATE	9900	6637	16537	3307
427	ELEVATOR OPERATORS	-239	603	364	73
428	HAIRDRESSERS, COSMETOLOGISTS	1801	9739	11540	2308
429	HOUSEKEEPERS, EXC PRIVATE	1087	2861	3948	790
431	SCHOOL MONITORS	2465	1531	3996	799
432	USHERS, RECREATION, AMUSEMENT	64	333	397	79
433	WELFARE SERVICE AIDES	639	1084	1723	345
434	PROTECTIVE SERVICE WRKRS	24445	28733	53178	10636
435	CROSSING GUARD, BRIDGETENDERS	295	2137	2432	486
436	FIREFIGHTERS	3258	1842	5100	1020
437	GUARDS	10977	20419	31396	6279
438	MARSHALS AND CONSTABLES	-73	95	22	4
439	POLICE AND DETECTIVES	9345	3668	13013	2603
440	SHERIFFS AND BAILIFFS	643	572	1215	243
441	PRIVATE HOUSEHOLD WRKRS	-1277	25740	24463	4893
442	CHILD CARE WORKERS	-163	5710	5547	1109
443	COOKS, PRIVATE	266	1023	1289	258
444	HOUSEKEEPERS, PRIVATE	-2056	4951	2895	579
445	LAUNDERERS, PRIVATE HOUSEHOLD	-188	186	-2	0
446	PRIV HOUSEHOLD CLEANRS, SERVANTS	864	13870	14734	2947
447	LABORERS, EXCEPT FARM	36842	53732	90574	18115
448	ANIMAL CARETAKERS, EXC FARM	2453	2125	4578	916
449	CARPENTERS HELPERS	196	214	410	82
450	CONSTR LABR, EXC CARPENTER HELP	2295	4570	6865	1373
451	FISHERS	-223	282	59	12
452	FREIGHT, MATERIAL HANDLERS	3791	4798	8589	1718
453	GARBAGE COLLECTORS	1160	680	1840	368
454	GARDENR, GROUNDSKEEPR, EXC FARM	12593	26709	39302	7860
455	LONGSHORE WORKERS, STEVEDORES	383	801	1184	237
456	TIMBERCUTTING, LOGGING WORKERS	-307	253	-54	-10
457	STOCK HANDLERS	10709	6182	16891	3378
458	TEAMSTERS	-20	19	-1	0
459	VEHICLE WASHR, EQUIP CLEANERS	1666	1591	3257	651
460	WAREHOUSE LABORERS, NEC	846	2444	3290	658
461	OTHER LABORERS	1300	3064	4364	873
462	FARMERS AND FARM WORKERS	2236	62010	64246	12849
463	FARMERS AND FARM MANAGERS	78	16175	16253	3251
464	FARMERS (OWNERS AND TENANTS)	-1050	13286	12236	2447
465	FARM MANAGERS	1128	2889	4017	803
466	FARM LABORERS, FARM SUPERVISORS	2158	45835	47993	9599
467	FARM LABOR SUPERVISORS	971	3271	4242	848
468	FARM LABORERS, WAGE WRKRS	1064	41643	42707	8541
469	FARM LABORERS, UNPAID FAMILY	312	585	897	179
470	FARM LABORERS, SELF-EMPL	-189	336	147	29

SOURCE: California Employment Development Department
Employment Data and Research Division

Ranking and value, 20 leading farm products, California, 1977-78

Farm Product	Commodity ranking		Value 1/		Percentage of State total	
	1977	1978	1977	1978	1977	1978
	-- Number --		-- 1,000 dollars --		-- Percent --	
Cattle & Calves	2	1	1,020,005	1,338,058	10.9	13.2
Milk & Cream	1	2	1,182,467	1,228,958	12.6	12.1
Grapes	4	3	757,909	863,936	8.1	8.5
Cotton	3	4	833,637	690,501	8.9	6.8
Lettuce	8	5	303,539	456,320	3.2	4.5
Hay	5	6	463,740	413,823	4.9	4.1
Nursery Products	9	7	299,122	357,573	3.2	3.5
Tomatoes, Processing	6	8	426,184	336,951	4.5	3.3
Eggs, Chicken	7	9	353,272	322,460	3.8	3.2
Flowers & Foliage	10	10	273,477	290,996	2.9	2.9
Almonds	11	11	256,034	252,000	2.7	2.5
Oranges	12	12	171,314	247,920	1.8	2.4
Walnuts	17	13	140,352	217,600	1.5	2.1
Rice	14	14	163,904	201,847	1.7	2.0
Chickens	19	15	138,405	168,161	1.5	1.7
Wheat	22	16	119,078	149,066	1.3	1.5
Strawberries	13	17	168,362	147,814	1.8	1.5
Turkeys	21	18	121,597	146,322	1.3	1.4
Tomatoes, Fresh	15	19	156,123	144,187	1.7	1.4
Peaches	18	20	139,162	136,310	1.5	1.3

1/ Based on value of quantity harvested for crops and on value of quantity marketed for livestock and poultry products.

Source: California Department of Food and Agriculture California Crop and Livestock Reporting Service: Annual Report 1978, June 1979.

MIDMONTH ESTIMATES OF AGRICULTURAL EMPLOYMENT, BY TYPE OF WORKER 1978 and 1979

			HIRED DOMESTIC WORKERS					
					SEASONAL			
	TOTAL	Farmers & Unpaid Family	Total Hired	Regular Hired	Total Seasonal	Local	Intra-state Migrant	Inter-state Migrant
1978								
JAN	228,400	61,500	166,900	85,000	81,900	70,200	6,800	4,900
FEB	235,400	65,100	170,300	93,300	77,000	62,100	9,400	5,500
MAR	239,100	66,500	172,600	98,000	74,600	59,100	10,400	5,100
APR	255,300	66,900	188,400	99,200	89,200	70,800	10,900	7,500
MAY	301,600	69,900	231,700	107,000	124,700	96,000	17,000	11,700
JUN	344,600	71,200	273,400	109,800	163,600	127,500	22,100	14,000
JUL	330,900	71,300	259,600	108,800	150,800	114,000	22,400	14,400
AUG	336,300	72,600	263,700	110,500	153,200	116,400	21,400	15,400
SEP	353,000	73,800	279,200	112,100	167,100	127,600	24,100	15,400
OCT	321,100	71,200	249,900	108,000	141,900	104,000	23,700	14,200
NOV	248,000	66,800	181,200	100,400	80,800	61,900	12,400	6,500
DEC	249,500	65,300	184,200	96,400	87,800	70,500	11,700	5,600
ANNUAL AVERAGE	286,900	68,500	218,400	102,400	116,000	90,000	16,000	10,000
1979								
JAN	243,200	60,400	182,800	92,700	90,100	75,200	10,400	4,500
FEB	232,300	60,800	171,500	95,000	76,500	62,700	8,700	5,100
MAR	235,100	60,700	174,400	98,500	75,900	60,100	8,900	6,900
APR	253,600	61,500	192,100	100,400	91,700	71,200	12,100	8,400
MAY	301,400	65,200	236,200	106,500	129,700	99,300	18,300	12,100
JUN	347,000	67,000	280,000	110,600	169,400	129,300	24,600	15,500
JUL	328,500	66,300	262,200	108,800	153,400	116,600	21,500	15,300
AUG	336,500	68,900	267,600	110,500	157,100	112,400	25,200	19,500
SEP	346,700	70,700	276,000	112,800	163,200	116,000	27,600	19,600
OCT	309,500	67,500	242,000	107,900	134,100	96,300	22,600	15,200
NOV	235,800	62,400	173,400	99,000	74,400	57,900	10,200	6,300
DEC	244,600	61,200	183,400	95,100	88,300	71,100	10,400	6,800
ANNUAL AVERAGE	284,500	64,400	220,100	103,100	117,000	89,000	16,700	11,300

NOTE: The figures presented in this report are estimates of full weeks of work (manweeks). They are not a count of the total number of individuals who worked during the report period (the week of the month that contains the 12th).

SOURCE: DE 881, In-Season Farm Labor Report.

ESTIMATED AVERAGE NUMBER OF WORKERS ON CALIFORNIA FARMS

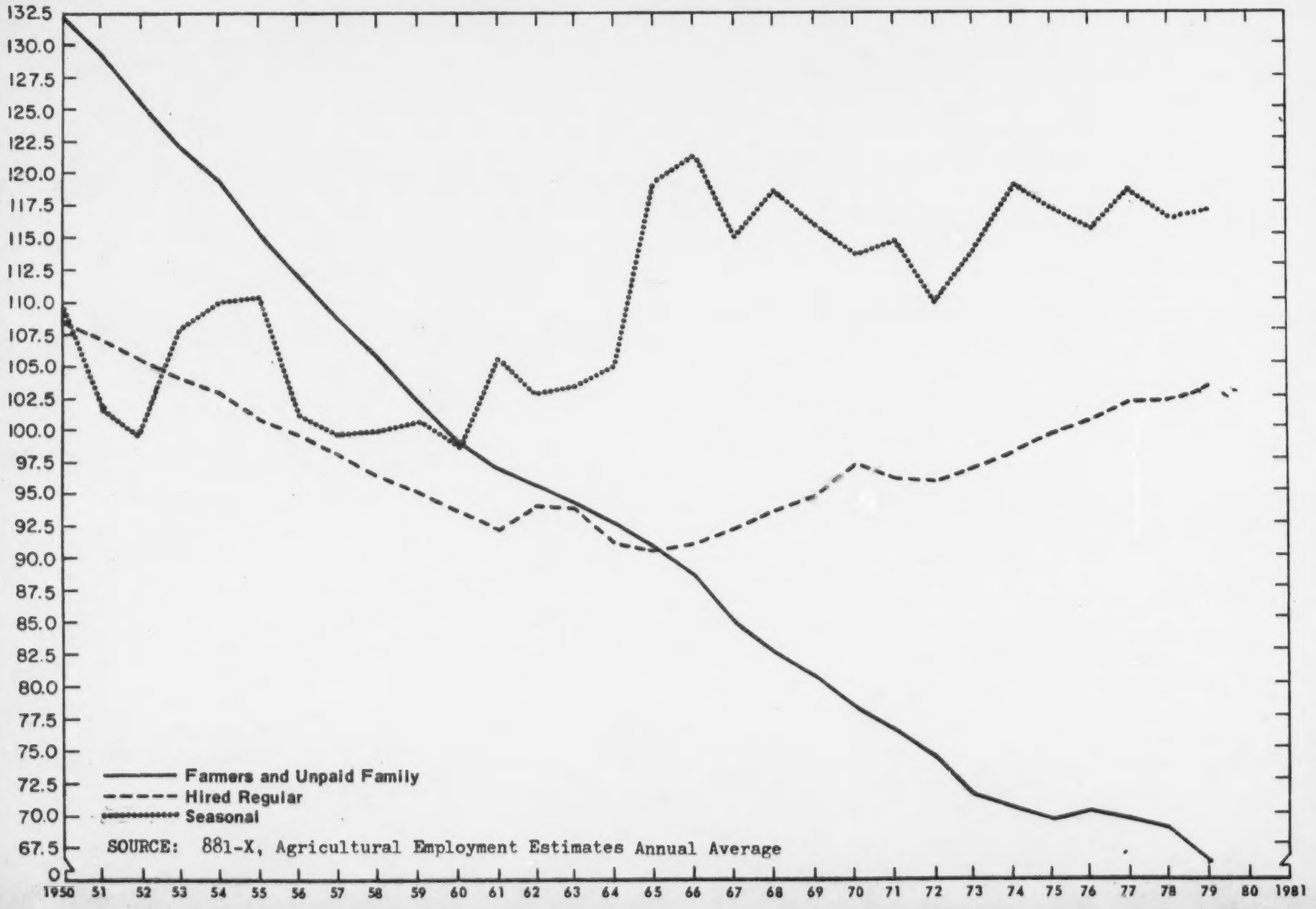
1979 and 1978

	AVERAGE NUMBER WORKING ON FARMS				1979 Change from 1978	
	1979		1978			
	WORKERS	% of TOTAL	WORKERS	% of TOTAL	WORKERS	PERCENT
STATE TOTAL	284,500	100%	286,900	100%	-2,400	- 0.8%
Farmers and unpaid family	64,400	22.6	68,500	23.9	-4,100	- 6.0
Regular hired	103,100	36.3	102,400	35.7	+ 700	+ 0.7
Seasonal	117,000	41.1	116,000	40.4	+1,000	+ 0.9
Local	89,000	31.3	90,000	31.3	-1,000	- 1.1
Nonlocal	28,000	9.8	26,000	9.1	+2,000	+ 7.7
Intrastate	16,700	5.8	16,000	5.6	+ 700	+ 4.4
Interstate	11,300	4.0	10,000	3.5	+1,300	+13.0

Averages are based on midmonth estimates.

Source: DE 881, California In-Season Farm Labor Report.

AVERAGE NUMBER OF FARM WORKERS 1950-1979



PEAK EMPLOYMENT ON CALIFORNIA FARMS

BY TYPE OF WORKER

1966-1979

WEEK ENDING DATES	TOTAL	FARMERS AND UNPAID FAMILY	YEAR-ROUND	SEASONAL				CONTRACT FOREIGN WORKERS
				TOTAL SEASONAL	LOCAL	INTRASTATE MIGRANT	INTERSTATE MIGRANT	
September 3, 1966	401,400	92,300	93,500	212,300	137,700	46,500	28,100	3,300
September 16, 1967	374,500	88,300	95,200	191,000	136,200	32,200	22,600	--
September 7, 1968	382,000	85,600	96,800	199,600	131,800	36,700	31,100	--
September 6, 1969	383,300	84,200	98,700	200,400	131,300	38,500	30,600	--
September 5, 1970	376,200	81,800	99,900	194,500	128,800	36,800	28,900	--
September 11, 1971	374,400	81,300	99,900	193,200	130,100	35,800	27,300	--
September 2, 1972	352,200	77,700	98,900	175,600	123,800	29,600	22,200	--
September 1, 1973	363,200	75,200	101,800	186,200	136,200	28,000	22,000	--
August 31, 1974	369,400	75,300	104,500	189,600	127,600	32,900	29,100	--
September 13, 1975	382,300	73,800	104,300	204,200	135,400	39,700	29,100	--
September 18, 1976	375,600	75,200	108,800	191,600	136,900	34,000	20,700	--
September 17, 1977	380,500	74,100	110,800	195,600	141,700	33,300	20,600	--
September 2, 1978	357,300	72,800	112,600	171,900	127,600	27,100	17,200	--
September 1, 1979	350,800	71,600	111,900	167,300	116,800	28,400	22,100	--

Source: De 881, California In-Season Farm Labor Report.

PEAK EMPLOYMENT* AND SEASONS - SELECTED CALIFORNIA CROPS

1979 and 1978

CROP and YEAR		PEAK EMPLOYMENT	PEAK WEEK (Ending Date)	SEASON	
				FROM	TO
FRUITS AND NUTS:					
ALMONDS	1979	5,000	9-15	8-13	11-17
	1978	3,700	9-16	8-7	11-18
APRICOTS	1979	7,630	7-14	5-28	8-18
	1978	10,890	7-15	5-29	8-12
BUSHBERRIES	1979	2,020	6-30	6-11	7-28
	1978	2,360	6-17	6-12	8-12
CHERRIES	1979	10,800	6-2	5-7	7-14
	1978	8,680	6-3	5-8	7-1
FIGS	1979	1,530	9-15	8-13	10-13
	1978	1,630	9-16	8-28	10-28
GRAPES	1979	56,280	9-15	5-28	11-17
	1978	56,510	9-16	5-29	12-2
LEMONS	1979	4,150	4-28	YEAR-ROUND CROP	
	1978	3,630	4-15		
ORANGES, VALENCIA	1979	4,750	6-16	3-26	11-17
	1978	4,790	6-17	3-27	11-18
PEACHES	1979	12,590	8-18	5-28	10-13
	1978	12,340	8-12	5-8	10-14
PEARS	1979	8,240	8-18	7-9	9-29
	1978	6,480	8-12	7-10	10-14
PLUMS	1979	10,590	6-30	5-28	9-15
	1978	9,180	7-1	5-29	9-16
PRUNES	1979	5,350	9-1	8-13	9-29
	1978	5,470	8-2	8-7	9-30
STRAWBERRIES	1979	18,870	6-2	YEAR-ROUND CROP	
	1978	20,470	6-3		

Table continued on next page.

*Employment for that week of the season that had the greatest estimated number of persons working.

Source: DE 881, California In-Season Farm Labor Report.

PEAK EMPLOYMENT* AND SEASONS - SELECTED CALIFORNIA CROPS

1979 and 1978

(Continued)

CROP and YEAR		PEAK EMPLOYMENT	PEAK WEEK (Ending Date)	SEASON	
				FROM	TO
VEGETABLES:					
ASPARAGUS	1979	4,700	4-14	12-11	6-30
	1978	5,640	4-1	1-9	7-1
BROCCOLI	1979	1,800	3-17	YEAR-ROUND CROP	
	1978	1,650	2-18		
CUCUMBERS	1979	3,960	7-28	1-29	11-17
	1978	4,370	7-29	2-13	12-2
LETTUCE	1979	7,560	11-3	YEAR-ROUND CROP	
	1978	7,310	9-30		
MELONS, ALL	1979	5,800	7-28	YEAR-ROUND CROP	
	1978	5,770	8-12		
ONIONS, DRY	1979	4,170	6-30	YEAR-ROUND CROP	
	1978	2,900	7-1		
POTATOES	1979	1,800	6-16	YEAR-ROUND CROP	
	1978	2,000	6-3 & 6-17		
TOMATOES	1979	20,690	9-15	YEAR-ROUND CROP	
	1978	21,390	9-16		
FIELD CROPS:					
COTTON	1979	16,200	6-2	4-9	3-31
	1978	15,910	6-17	4-10	3-24
GRAIN, SMALL	1979	1,890	6-30	5-7	12-29
	1978	1,960	7-1	5-29	12-16
HAY, ALFALFA	1979	2,310	6-30	YEAR-ROUND CROP	
	1978	3,100	6-17		
SUGAR BEETS	1979	1,920	4-28	YEAR-ROUND CROP	
	1978	1,690	7-1		

*Employment for that week of the season that had the greatest estimated number of persons working.

Source: DE 881, California In-Season Farm Labor Report.

CALIFORNIA FARM WAGE RATES
1979 and 1978

1979	Jan. 7-13	Apr. 8-14	July 8-14	Oct. 7-1
	- Dollars per Hour -			
WAGE RATES:				
All Hired Farm Workers[1/]	$4.03	$4.12	$3.96	$4.35
Method of Pay:				
Paid by Piece-Rate	4.51	5.29	5.34	5.21
Paid by Other than Piece-Rate	3.95	3.95	3.78	4.22
Paid by Hour Only[2/]	3.59	3.65	3.62	4.03
Paid by Cash Wages Only[3/]	4.04	4.13	3.95	4.26
Paid by Hour, Cash Wages Only[4/]	3.63	3.63	3.61	3.95
Type of Work Performed:				
Field Work	3.74	3.84	3.69	4.11
Livestock Work	3.53	3.99	3.77	3.88
Packinghouse Work	3.93	4.58	4.45	3.96
Machine Operation	4.06	4.08	4.16	4.47
Supervision	5.82	5.67	5.69	5.85
Other	5.19	5.54	[5/]	5.57

1978	Jan. 8-14	Apr. 9-15	July 9-15	Oct. 8-1
	- Dollars per Hour -			
WAGE RATES:				
All Hired Farm Workers[1/]	$3.92	$3.75	$3.62	$3.93
Method of Pay:				
Paid by Piece-Rate	4.43	4.70	4.59	4.96
Paid by Other than Piece-Rate	3.80	3.63	3.49	3.72
Paid by Hour Only[2/]	3.63	3.40	3.34	3.52
Paid by Cash Wages Only[3/]	3.83	3.65	3.58	3.95
Paid by Hour, Cash Wages Only[4/]	3.50	3.37	3.31	3.47
Type of Work Performed:				
Field Work	3.70	3.45	3.27	3.68
Livestock Work	3.29	3.42	3.64	3.37
Packinghouse Work	3.86	3.75	4.13	4.33
Machine Operation	4.21	3.86	3.95	4.19
Supervision	5.59	5.59	5.36	5.63
Other	4.61	5.04	5.56	5.09

Wage rates include those paid to agricultural workers hired by farm operators and agricultural service firms.

1/ Average of wage rates for all methods of payment.
2/ May receive perquisites such as room and board, includes only those paid by the hour.
3/ Does not receive perquisites in addition to wages, all methods of pay.
4/ Does not receive perquisites in addition to wages, includes only those paid by the hour.
5/ Insufficient data for this category.

Source: FARM LABOR AND WAGE RATES REPORT published by California Crop and Livestock Reporting Service of the U.S. Department of Agriculture and the California Department of Food and Agriculture.